Spec Comparison Sheet (e-STUDIO556 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO556	Canon imageRUNNER ADVANCE 6055	Ricoh Aficio MP 6001	Fuji Xerox DocuCentre-IV 5070	Fuji Xerox ApeosPort-IV 5070	Konica Minolta bizhub 501	Konica Minolta bizhub 601	Konica Minolta bizhub 552	Sharp MX-M502N
BACKGROUND INFORMATION		**17651/AUS**	**16946/AUS**	**18459/AUS**	**18464/AUS**	**16092/AUS**	**16453/AUS**	**18080/AUS**	**17796/AUS**
Dataquest Segment	4	4	4	4	4	4	4	4	4
SRP/Street Price	$ not avail/None	$ not avail/None	$ not avail/None	$ not avail/$ not avail	$ not avail/$ not avail	$ not avail/$ not avail	$ not avail/None	$ not avail/None	€ not avail/None
Manufacturing Status	New	New	New	New	New	Discontinued	Discontinued	New	New
Domestic Intro Date	After Feb 2012	September 2010	June 2009	September 2011	September 2011	June 2009	July 2009	April 2011	August 2010
OEM	Toshiba (China)	Canon (Japan)	Ricoh (China)	Fuji Xerox Co., Ltd. (China/South Korea)	Fuji Xerox Co., Ltd. (China/South Korea)	Konica Minolta Business (China/Japan)	Konica Minolta Business (China/Japan)	Konica Minolta Business (China/Japan)	Sharp (China/Japan)
Also Sold As	None	None	Info not avail	Info not avail	Info not avail	Oce VarioLink 5022	Develop ineo 601; Oce VarioLink 6022	None	None
Distributed By	Info not avail	Info not avail	Info not avail	Dealers, direct sales	Dealers, direct sales	Info not avail	Info not avail	Info not avail	Info not avail
Max Monthly Duty Cycle	450,000 impressions	Info not avail	300,000 impressions	157,000 impressions	157,000 impressions	Info not avail	Info not avail	Info not avail	200,000 impressions
TYPE	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**
Configuration/Scanner	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital
Toner	Dry, dual component	Dry, monocomponent	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component
GENERAL SPECIFICATIONS/PAPER HANDLING									
First Copy Time	4 sec	3.3 sec	4.2 sec	3.1 sec	3.1 sec	3.2 sec	3.3 sec	4.3 sec	3.9 sec
Multicopy (A4/A3)	55/34 cpm	55/32 cpm	60 cpm/Info not avail	55/28 cpm	55/28 cpm	50/27 cpm	60/35 cpm	55/28 cpm	50/22 cpm
Warm-up Time	130 sec	38 sec	30 sec	30 sec	30 sec	60 sec	4.5 min	30 sec	20 sec
Std Paper Source(s)	Triple drawer	Dual drawer, dual tray	Triple drawer	Dual drawer	Dual drawer	Dual drawer	Four drawer	Four drawer	Dual drawer
Std Paper Capacity	500/500/2,500 sheets	550/550/1,500/1,500 sheets	1,550/1,550/550/550 sheets	500/500 sheets	500/500 sheets	500/500 sheets	1,500/1,000/500/500 sheets	500/500/1,500/1,000 sheets	500/500 sheets
Paper Weights	64 to 209 gsm	52 to 220 gsm	53 to 128 gsm	60 to 216 gsm	60 to 216 gsm	60 to 105 gsm	60 to 200 gsm	64 to 256 gsm	60 to 209 gsm
Bypass/Paper Weights	100-sheet/64 to 209 gsm	100-sheet/52 to 256 gsm	100-sheet/53 to 216 gsm	95-sheet/60 to 216 gsm	95-sheet/60 to 216 gsm	150-sheet/50 to 210 gsm	100-sheet/50 to 200 gsm	150-sheet/64 to 300 gsm	100-sheet/56 to 209 gsm
Max Paper Sources	5	6	5	6	6	6	6	6	6
Max Paper Capacity	7,600 sheets	7,700 sheets	8,300 sheets	5,095 sheets	5,095 sheets	5,650 sheets	7,600 sheets	6,650 sheets	5,600 sheets
Max Original Size	A3	A3	A3	A3	A3	A3	A3	A3	A3
Output Size (Min/Max)	A5/A3	A5/A3	A5/A3	100 x 148/A3	100 x 148/A3	A6/A3	A6/A3+	A5/A3+	A5/A3
Copy Resolution	2400 x 600 dpi	1200 x 1200 dpi	1200 x 1200 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
System Memory (Std/Max)	1-GB RAM, 80-GB HD/1-GB RAM, 80-GB HD	1.5-GB RAM, 80-GB HD/2-GB RAM, 250-GB HD	512-MB RAM, 160-GB HD/1.5-GB RAM, 160-GB HD	1.5-GB RAM, 80-GB HD/1.5-GB RAM, 80-GB HD	2-GB RAM, 80-GB HD/2-GB RAM, 80-GB HD	1,024-MB RAM/1,024-MB RAM, 60-GB HD	1-GB RAM/1-GB RAM, 60-GB HD	2-GB RAM, 250-GB HD/3-GB RAM, 250-GB HD	576-MB RAM, 80-GB HD/576-MB RAM, 80-GB HD
Duplex	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)
Duplex Capacity/Paper Sizes	Unlimited/A5 to/A3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3+	Unlimited/A5 toA3	Unlimited/A5 toA3
Document Feeder	Std RADF	Opt DSPF	Std DSPF*	Std RADF	Std RADF	Std RADF	Std RADF	Std RADF	Opt RADF
Doc Feeder Speed/Capacity	71 opm/100 orig	85 opm color, 120 opm black/300 orig	55 opm color, 80 opm black/150 orig	55 opm/110 orig	55 opm/110 orig	70 opm/80 orig	75 opm/100 orig	78 opm/100 orig	Info not avail/100 orig
Paper Weights	35 to 209 gsm	38 to 220 gsm	64 to 128 gsm	38 to 128 gsm	38 to 128 gsm	35 to 128 gsm	50 to 200 gsm	35 to 210 gsm	Info not avail
Sorter (Bins/Capacity)	None	None	None	None	None	None	None	None	None
Staple Sorter	None	None	None	None	None	None	None	None	None
Bins/Stapling Capacity	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Stapling Positions	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Finisher	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finisher	Opt finishers	Opt finishers	Opt finishers	Opt finishers
Tray/Stapling/Position(s)	4,000, 4,000, 4,000/50, 50, 100/4, 4, 4	4,000/50/3	2,250, 3,250, 3,500/50, 50, 100/4	2,000, 1,500/50, 50/3, 3	1,500/50/3	1,200, 3,250/50/3	3,200, 3,200, 2,700/50, 100, 50/8	3,100, 3,200/100, 50/3	500, 1,000, 4,000/50/3
Other	Electronic sorting; opt multi-staple finisher has two trays (2,000/2,000); opt saddle-stitch 50-sheet stapling finisher has two trays (2,000/2,000), V folds and saddle-stitches up to 15 sheets (60-page booklets); opt saddle-stitch 100-sheet stapling finisher has two trays (2,000/2,000), V folds and saddle- stitches up to 15 sheets (60-page booklets); opt hole punch unit; opt post sheet inserter holds 100 sheets; opt 4,000-sheet LCT handles letter/A4-sized paper; std 2,500-sheet tandem large capacity feeder has two 1,250-sheet trays and handles letter/A4-sized paper	Optional finishers have three trays (250/1,300/2,450); optional saddle-stitch finisher has V folding and saddle stitches up to 16 sheets (64 pages); optional punch unit for either finisher; optional document insertion unit holds 100 sheets; optional document insertion/folding unit holds 100 sheets and supports C and Z folding; two 3,500-sheet paper options available - A4/letter-size only and letter/A4 to ledger/A3	Opt 4,000-sht LCT; opt 100-sht stapling finisher has two trays (500, 3,000); opt 50-sht stapling finisher (250, 3,000); opt 2,000-sheet booklet finisher (250, 2,000); opt mult-folding unit option for 100-sht stapling finisher and booklet finisher handles six folding patterns including 2-folding, Z-folding, 3-folding (in and out) and 4-folding (gate and double parallel); opt cover interposer, 2-/3-hole punch and jogger unit; opt 9-bin mailbox for 50-sheet stapling finisher and booklet finisher; professional booklet maker saddle-stitches up to 30 sheets and produces 120-page booklets	Electronic sorting; 500-sheet output tray; additional paper handling options include choice of a two tray module (500 sheets each) or a tandem tray module (870 + 1,130 sheets); opt external high capacity feeder has a single tray holding 2,000 A4-sized sheets; opt Finisher-B1 has one tray (2,000 sheets unstapled) and offers opt hole punch and opt booklet making; opt Booklet Finisher-C1 features one tray (1,500 sheets unstapled), saddle-stitches up to 15 sheets (60 page booklets) and provides hole punching	Electronic sorting; 500-sheet output tray; additional paper handling options include choice of a two tray module (500 sheets each) or a tandem tray module (870 + 1,130 sheets); opt external high capacity feeder has a single tray holding 2,000 A4-sized sheets; opt Booklet Finisher-C1 features one tray (1,500 sheets unstapled), saddle-stitches up to 15 sheets (60 page booklets) and provides hole punching	Opt FS-522 built in finisher has two trays (200/1,000) with 50-sheet stapling; opt 2-/4-hole punch (PU-501); opt saddle stitch unit (SD-507) for FS-522 V folds up to 15 sheets (60 pgs); opt FS-523 floor type finisher has two trays (250/3,000) with 50-sheet stapling and std 2-/4-hole punch; opt paper-feed cabinet adds two 500-sheet drawers; opt large-capacity cabinet adds 2,500 sheets	Opt FS-525 staple finisher has two trays (3,000/200) and 100-sheet stapling; opt FS-524 staple finisher has two trays (3,000/200) and 50-sheet stapling; opt FS-610 booklet finisher has two trays (2,500/200), staples up to 50 sheets, V folds up to 20 sheets (80 pgs) and trifolds; opt Z-fold/punch kit adds Z folding and 2-/4-hole punch; opt post sheet inserter inserts covers or inserts in a document; opt shift tray; criss-cross sort mode	Opt FS-527 staple finisher has two trays (3,000/200) and 50-sheet stapling; opt FS-526 staple finisher has two trays (3,000/100) and 100-sheet stapling; opt SD-509 saddle stitch kit saddle-stitches up to 15 sheets (60 pages); opt Z-fold/punch kit adds Z folding and hole punch; opt post sheet inserter inserts covers or inserts in a document	Opt inner finisher has one tray (500 sheets) and opt hole punch; opt saddle-stitch finisher has one tray (1,000 sheets), saddle stitches up to 15 sheets (60 pages) and opt hole punch; electronic sorting; opt stacking finisher has two trays (1,550/2,450) and opt hole punch
SECURITY SPECS									
Network User Authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IP Address Filtering	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAC Address Filtering	Yes	Yes	Opt	No	No	No	No	No	Yes
HDD Overwrite	Opt	Opt	Opt	Std	Std	Opt	Opt	Std	Yes
Max Overwrites	5	3	3	3	3	7	7	8	7
HDD Encryption	Yes	Yes	Opt	Std	Std	Opt	Opt	Std	Yes
Secure Print	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Encrypted Secure Print	Yes	Yes	Yes	Std	Std	Opt	Opt	Std	Yes
Encrypted PDF Mode (Encrypted Scanning)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPsec	Opt	Opt	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Secure Sockets Layer (SSL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNMPv3	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transport Layer Security	No	Yes	Info not avail	Yes	Yes	Yes	Yes	Yes	Yes
Other	Std Self-Encrypting HDD Drive; opt Data Overwrite kit is Common Criteria certified; opt e-BRIDGE SmartCard card reader limits unauthorized access to device; DPWS security for encrypted print; IPv6 support	Trusted platform module; mail box password protection; restrictions features (send function and new addresses in address book); SMTP authentication POP authentication before SMTP; HDD format; Adobe LiveCycle Rights Management ES integration; optional security features include removable hard drive, hard drive erase, hard drive encryption and mirroring, encrypted secure print and PDF, document scan lock, IPSec and secure watermark	Kerberos/basic/user code/802.1x wired/authentications; encryptions: address book, auth. password, S/MIME, locked print password;network protocol ON/OFF; mask type for copying/data security for copying; copy data security option	256-bit hard disk encryption; image overwrite; IPv6 support	256-bit hard disk encryption; image overwrite; IPv6 support	SSL/TLS encryption; S/MIME encryption; HDD lock; hard drive sanitizing	Opt biometric authentication recognizes finger vein patterns; HDD lock; job erase automatically overwrites hard drive up to three times; HDD sanitizing overwrites data stored on hard drive up to seven times	Opt biometric authentication recognizes finger vein patterns; opt HID proximity cards; S/MIME encryption for safeguarding email exchanges; opt HID proximity card; security standards certified to ISO 15408 EAL3; optional copy guard kit provides password protected copy functionality; HDD lock function adds password protection to the device's hard disk drive; job erase overwrites the HDD up to three times; HDD sanitizing overwrites data store on hard drive up to 8 times	IPV4 and IPV6; IEEE P2600-2008 compliant; DoD (NSTISSP) #11; DoD Directive 8500.2; DoD (DISA); IEEE 802.1x device authentication protocol smartcard / CAC device authentication; protocol filtering; port management; opt Data Security Kit encrypts data up to seven times on hard drive; secure fax release requires user to enter PIN code
CONTROL PANEL	**keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**
Quantity Selector	1 to 9,999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)
Message Display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Help Key	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
FEATURES									
Automatic Features	AES, AMS, APS, AS, ATS	AES, AMS, APS, AS, ASO, ATS	AES, AMS, APS, AS, ATS	AES, AMS, APS, ATS	AES, AMS, APS, ATS	AES, AMS, APS, ASO, ATS	AES, AMS, APS, AS, ASO, ATS	AES, AMS, APS, AS, ASO, ATS	AES, AMS, APS, ATS
Book Copy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Booklet Mode	Std	Std	Std	Std	Std	Std	Std	Std	Std
Color	No	No	No	No	No	No	No	No	No
Copy Control	1,000*	1,000	500	Std	Std	100*	1,000	1,000	1,000
Covers	Std	Std	Std	Std	Std	Std	Std	Std	Std
Editing	Std	No	Std	No	No	No	No	No	No
Energy-Save	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Erase	Std	Std	Std	Std	Std	Std	Std	Std	Std
Image Insert	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Image Overlay	No	Std	No	No	No	Std	Std	Std	Std
Image Repeat	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Image Rotate	Std	Std	Std	Std	Std	Std	Std	Std	Std
Interrupt	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Job Build	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Job Programs	12,060	Yes	10	No	No	30	30	30	Yes
Job Time	Yes	No	Yes	No	No	No	Yes	Yes	No
Language	Std	Std	Std	Std	Std	Std	Std	Std	Std
Margin Shift	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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Side-By-Side Product Compare	Toshiba e-STUDIO556	Canon imageRUNNER ADVANCE 6055	Ricoh Aficio MP 6001	Fuji Xerox DocuCentre-IV 5070	Fuji Xerox ApeosPort-IV 5070	Konica Minolta bizhub 501	Konica Minolta bizhub 601	Konica Minolta bizhub 552	Sharp MX-M502N
Neg/Pos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OHP Interleaving	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Photo Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Poster Mode	No	No	Yes	Yes	Yes	No	No	Yes	Yes
Preset R/E	7R, 7E	3R, 3E	7R, 5E	4R, 3E	4R, 3E	4R, 4E	4R, 4E	4R, 4E	5R, 5E
Program Ahead	10	20	Std	Std	Std	Std	51	Std	48
Sheet Insertion	Std	Std	Std	Std	Std	Std	Std	Std	Std
Stamping	Std	Std	Std	Std	Std	Std	Opt	Std	Std
Timer	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No
2-in-1	Std	Std	Std	Std	Std	Std	Std	Std	Std
XY Zoom	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zoom Range	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (0.1%)	25 to 400 (0.1%)	25 to 400 (0.1%)	25 to 400 (1%)
Other Features	*1,000 department/10,000 user codes; mirror image; 2-in-1, 4-in-1, 8-in-1; copy to hard drive document storage (e-Filing); date and time display; page numbers; annotation; 12,060 templates in up to 201 groups	Page numbering; copy set numbering; watermarks; print date; frame erase; mixed-size originals; print on tab; merge job blocks; proof job mode; job complete notification; merge job blocks; cascade copy	*DSPF (duplex single pass feeder) has dual scan heads; chapterization; border and center erase; sample copy; user tools; double copy mode; mixed-size originals; page numbering; std document server; opt tandem copy; copying onto tab extension; special paper display; directional magnification; directional size magnification: repeat copy; image shift; combine copy; series copy; clear mode; original counter; copy counter; opt copy connector; document server; pale mode; text mode; generation copy mode; electronic/shift/rotate sort; electronic stack	Chapterization; annotations; watermarks; proof copy; Bates stamping; ID card copy	Chapterization; annotations; watermarks; proof copy; Bates stamping; ID card copy	*1,000 accounts with opt HDD; mixed-sized originals; separate scan; image head adjustment; original direction setting; border, frame and edge erase; non-image area; proof copy; memory mode; centering; uses Simitri polymerized toner; tilting color control panel; user-programmable zoom ratio	Distribution number and stamping; center, edge and frame erase; proof copy; tab paper support; mixed-sized originals; face up/face down selectable output; mirror image; proof copy; user programmable zoom ratio	Date, time, page numbering, header/footer, watermark and preregistered stamping an be added to copy output; copy protect adds a hidden text for preventing unauthorized copying; opt copy guard function allows a user to embed pattern in copy protected text; password copying; edge and frame erase; proof copy; tab paper support; mixed-sized originals; mirror image; face up/face down selectable output; user programmable zoom ratio; chapterization; centering; booklet mode automatically arranges images to create a signature; despeckle mode; card shot mode copies two sides of a copy onto one original	Center and edge erase; zoom range 25 to 200% (1%) through document feeder; mirror image; tandem copy; card shot mode; tab paper insertion; proof copy; pamphlet copy; sharpness; document filing; mixed-size originals; date, character and page stamping; centering
ADDITIONAL INFORMATION									
Dimensions (HxWxD)	1,176 mm x 698 mm x 789 mm	1220 mm x 645 mm x 770 mm	1,165 mm x 690 mm x 790 mm	1,116 mm x 640 mm x 693 mm	1,116 mm x 640 mm x 693 mm	1,150 mm x 677 mm x 708 mm	1,140 mm x 886 mm x 859 mm	1,155 mm x 650 mm x 879 mm	833 mm x 645 mm x 695 mm
Weight	203 kg	235 kg	217 kg	73 kg	73 kg	97 kg	224 kg	26 kg	88 kg
Power Requirements	220-240 V, 9 A	220-240 V, 10 A	220-240 V, Amps not avail	220-240 V, 8 A	220-240 V, 8 A	220-240 V, 12 A	220-240 V, Amps not avail	220-240 V, 10 A	230-240 V, Amps not avail
Energy Used While Power Off	0.09W	1W	.15W	0.3251W	0.3251W	0.18W	0.13W	.008W	Info not avail
Energy Used in Power Save Mode	1.64 W	Info not avail	8.3W	2.2W	2.2W	26W	27W	9.2W	Info not avail
Energy Used in Ready Mode	311W	350W	386.84W	140W	140W	155W	296W	196W	Info not avail
Energy Used While Copying	1,864W	1388W	1162.2W	780W	780W	906W	1153W	910W	Info not avail
Energy Used While Printing	Info not avail	1388W	1162.2W	780W	780W	Info not avail	Info not avail	910W	Info not avail
Energy Used While Scanning	Info not avail	Info not avail	Info not avail	780W	780W	Info not avail	Info not avail	Info not avail	Info not avail
Max Power Consumption	1,864W	2000W	1900W	2400W	2400W	1630W	1800W	2000W	1,840W
TEC Value	11.07KWh	5.4KWh	7.3KWh	4.1KWh	4.1KWh	Info not avail	Info not avail	5.82KWh	Info not avail
Dedicated Outlet	Required	Required	Required	Recommended	Recommended	Not required	Required	Required	Required
Energy Star Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Noise Level	55 dB	79 dB	71 dB	50 dB	50 dB	75 dB	67 dB	75 dB	Info not avail
COMMENTS	None	None	None	None	None	None	None	None	None
OPTIONS									
	MP-4004 LCT 4,000 sheets	C1 DSPF	RT43 LCT 4,000 sheets (414519)	HCF-B1 HCF 2,000 sheets	HCF-B1 HCF 2,000 sheets	LU-203 LCT 2,000 sheets (A0R90Y1)	LU-405 LCT 4,000 sheets	LU-204 LCT 2,500 sheets	RADF (MX-RP11)
	MJ-1027 Multi-position Staple Finisher	D1 LCT 3,500 sheets	Type 9001 Paper tray 1,000 sheets 11 x 17 (415017)	Paper tray 2,000 sheets (EL200301)	Paper tray 2,000 sheets (EL200301)	PC-407 LCT 2,500 sheets (A0RC011)	LU-406 LCT 4,000 sheets A3+	LU-301 LCT 3,000 sheets	LCT 3,500 sheets (MX-LCX1)
	MJ-1028 50-sheet Staple Saddle-stitch Finisher	A1 LCT 3,500 sheets	BK5010e Booklet maker Plockmatic (404305)	Paper-feed unit 2 x 500 sheets (EL200300)	Paper-feed unit 2 x 500 sheets (EL200300)	PC-206 Paper-feed unit 2 x 500 sheets (A0RC0Y1)	FS-525 Finisher	FS-526 Finisher (A11PWY1)	Paper drawer 500 sheets (MX-DEX8)
	MJ-1029 100-sheet Staple Saddle-stitch Finisher	B1 Tab feeding attachment kit	SR4050 Finisher 100-sheet stapling (414944)	Booklet maker for finisher B1 (QC100044)	C1 Finisher with booklet maker	FS-522 Finisher (A0HN0Y1)	FS-524 Finisher	FS-527 Finisher (A0HRWY2)	Paper-feed unit 2 x 500 sheets (MX-DEX9)
	KN-1017 Finisher rail	Q1 Copy tray	SR4030 Finisher 3,000 sheets (414957)	B1 Finisher (QC100043)	Stand	FS-523 Finisher (A0PHX001)	FS-610 Finisher booklet	ZU-606 Folding unit Z fold	Exit tray (MX-TRX2)
	MJ-7001 Post sheet inserter	E1 Finisher	SR4040 Finisher booklet (414950)	C1 Finisher with booklet maker	Table wing	OT-602 Finisher additional trayfor internal finisher (4625246)	ZU-605 Folding unit Z fold and punch unit	JS-602 Job separator tray (A10CWY1)	Finisher (MX-FN11)
	MJ-6003 Punch unit (for MJ-1027/1028/1029)	E1 Finisher booklet	Type FD5000 Folding unit (404183)	Punch unit for finisher B1 (QC100047)	Fax internet (EL200865)	JS-502 Job separator tray (4347711)	OT-505 Output tray (A0PUWY1)	JS-603 Job separator tray (A10FWY1)	Finisher booklet (MX-FN10)
	GM-1260 Printer Kit	L1 Post sheet inserter	Type 3260 Jogger unit (412212)	Stand	Fax server kit (EL200869)	MT-502 Mailbox (4510761)	PI-504 Post sheet inserter	OT-503 Output tray (A092WW0)	Finisher internal (MX-FNX9)
	GM-2270 Printer/Scanner Kit	H1 Post sheet inserter and folding unit	Type 1075 Jogger unit (411206)	Table wing	G3 port kit additional (EM100208)	OT-504 Output tray (A0RA0Y1)	PK-505 Punch unit	PI-505 Post sheet inserter (A10AWY1)	Punch unit 2 hole (MX-PNX6A)
	GM-4250 Scanner Kit	A1 Punch unit	CS391 Mailbox (412191)	Fax internet (EL200865)	High-compression image kit	PU-501 Punch unit (4512812)	SF-602 Shift tray	PK-516 Punch unit	Punch unit 2 hole for inner finisher (MX-PNX1A)
	GS-1020 External interface enabler for open platform	A1 Punch unit 2/4 hole (3705B003AA)	Type 3260 Post sheet inserter (412213)	Fax server kit (EL200869)	Scan to USB kit	SD-507 Saddle-stitch kit (A0PGW21)	WT-504 Table working (A0PWWY1)	PK-517 Punch unit (A10EW21)	Punch unit 2 hole for saddle-stitch finisher (MX-PNX5A)
	GD-1250 Fax option	A1 Stapler convenience	Type 1075 Punch unit	G3 port kit additional (EM100208)	Scanner option (EL200866)	DK-506 Desk (A0RC0Y3)	FK-502 Fax option (15B)	SD-508 Saddle-stitch kit (A11RWY1)	Punch unit 4 hole conventional (MX-PNX6C)
	GD-1260 Fax second line	A1 Utility tray	Type 3260 Punch unit (412210)	High-compression image kit	Searchable PDF kit (EL200871)	WT-502 Table working (A07EWW0)	IC-208 Konica Minolta print controller	SD-509 Saddle-stitch kit (A10DWY1)	Punch unit 4 hole conventional for internal finisher (MX-PNX1C)
	GS-1010 Meta scan enabler	B1 Control panel touch screen upright	Punch unit GBC StreamPunch III (414387)	Scan to USB kit	USB 2.0 media print kit	IC-207 Emperon print controller (A0P80Y1)	EK-703 Interface USB 2.0 host (A0P4WY1)	CS-1 Stapler convenience (7640013463)	Punch unit 4 hole for saddle-stitch finisher (MX-PNX5C)
	GN-1060 Adapter wireless network	B1 Integrated interface and stand print controller for J200	Type 9001 Fax option (414945)	Scanner option (EL200866)	Adobe PostScript 3	Fax board with mount kit (15LBX004)	HD-510 60-GB HDD (A0P7WY1)	Keyboard	Punch unit 4 hole wide spacing for inner finisher (MX-PNX1D)
	GN-2020 Interface Bluetooth	Keyboard	Type E File format converter (414007)	Searchable PDF kit (EL200871)	Secure watermark kit	MK-708 Fax mount kit	AU-101 Biometric finger vein authentication (A09MWY0)	KH-101 Keyboard holder (A165WY1)	Punch unit 4 hole wide spacing for MX-FN11 (MX-PNX6D)
	GN-3010 Wireless antenna	F1 Expansion bus	Type 9001 Printer scanner unit (414954)	USB 2.0 media print kit		FK-502 Fax option (15B)	SC-506 HDD encryption (A0PCWY1)	WT-506 Table working (A0W4WY1)	Punch unit 4 hole wide-spacing for saddle-stitch finisher (MX-PNX5D)
	GQ-1040 Harness Kit for Coin Controller	AF1 Fax board second line super G3	Type J VM Java card (404230)	Adobe PostScript 3		ML-503 Fax option and multi-line kit (7640X024)		MK-720 Fax mount kit (A0YAWY1)	Keyboard (MX-KBX2)
	GP-1070 Data overwrite kit	AE1 Fax board Super G3 third and fourth line	Type B Gigabit Ethernet board (414204)	Secure watermark kit		Fax spare TX marker stamp (4614511)		FK-502 Fax option (15B)	Paper pass unit (MX-RBX3)
	GP-1080 IPSec enabler	A1 Fax kit remote fax	Type J Interface 802.11a/b/g			SP-501 Fax stamp (4614506)		Fax spare TX marker stamp (4614511)	Platen cover (MX-VRX1)
	GS-1007 Unicode Font Enabler	AF1 Fax option	Type 3245 Interface Bluetooth (412866)			EK-703 Interface USB 2.0 host (A0P4WY1)		SP-501 Fax stamp (4614506)	Application communication module (MX-AMX2)
	KP-2004 SmartCard reader HID/MIFARE	U1 imagePASS print controller	Type A Interface Parallel			HD-509 60-GB HDD (A0P6WY1)		LK-101v2 i-Option license kit web browser, Image panel, Scan-to-sharepoint	Application integration module (MX-AMX1)
	KP-2005 SmartCard reader MIFARE	H1 PDF and XPS direct print kit	Type C Slot USB 2.0/SD (414949)			AU-101 Biometric finger vein authentication (A09MWY0)		SA-502 Scan accelerator board (A1MUWY1)	Fax internet (MX-FWX1)
	GQ-1240 Harness kit for coin controller	E1 Universal Send Advanced Feature Set	Type B 32-MB fax memory			SC-505 HDD encryption (A0PAWY1)		EK-605 Interface USB device interface plus Bluetooth (A0YCWY3)	Fax option (MX-FXX2)
	GB-1261 e-BRIDGE Fleet Management System software	H1 Web Access software	Type 9001 Adobe PostScript 3 (415050)			AU-201H HID proximity card authentication unit (A09NWY1)		EK-604 Interface USB host board local	Scanning PDF compression kit enhanced (MX-EBX3)
	GB-1280 e-BRIDGE RE-RITE OCR software	A1 USB device port	Type F Copy Data Security unit (413985)					UK-202 Memory upgrade kit for i-Option 1-GB	Stamp unit (AR-SU1)
		B1 Wireless LAN board	Type H Data Overwrite Security (414002)					AU-102 Biometric authentication new generation (A0X9WY1)	XPS expansion kit (MX-PUX1)
		D1 250-GB HDD mirroring						SC-507 Copy guard kit (A0Y9WY1)	1-GB memory (MX-SMX3)
		Type B 512-MB memory						HID proximity card 10 pack (7640005261)	Expansion memory board (MX-ARSMX3)
		A1 80-GB HDD mirroring						AU-201H HID proximity card authentication unit (A09NWY1)	Bar code (AR-PF1)
		A1 Multimedia reader writer						LK-102 i-Option license kit enhanced PDF encryption	PostScript 3 (MX-PKX1)
		D1 Bar code						AU-204H Magnetic stripe card reader (7640013468)	Data security kit (MX-FR24U)
		AJ1 PCL 6						LK-105 i-Option license kit searchable PDF	Accounting module external (MX-AMX3)
		AJ1 PostScript 3							Generic vend interface kit (DVENDPS)
		Authorized Send Kit V4.1 1 license							Sharpdesk 1 user license (MX-USX1)
		Authorized Send Kit V4.1 10 licenses							Sharpdesk 10 user license (MX-US10)
									Sharpdesk 100 user license (MX-USA0)
		Authorized Send Kit V4.1 100 licenses							Sharpdesk 5 user license (MX-USX5)
		C1 Data erase kit							Sharpdesk 50 user license (MX-US50)
		A1 Document scan lock kit							

Spec Comparison Sheet (e-STUDIO556 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO556	Canon imageRUNNER ADVANCE 6055	Ricoh Aficio MP 6001	Fuji Xerox DocuCentre-IV 5070	Fuji Xerox ApeosPort-IV 5070	Konica Minolta bizhub 501	Konica Minolta bizhub 601	Konica Minolta bizhub 552	Sharp MX-M502N
		D1 Encrypted Secure Print software							
		C2 HDD encryption and mirroring							
		B2 IPSec board							
		AD1 Removable HDD kit							
		B4 Removable HDD kit for imagePASS U1							
		B1 Secure watermark kit							
		C1 Universal Send Digital User Signature							
		K1 Universal Send PDF encryption kit							
		D1 Universal Send Security Feature Set							
		A1 Accessibility handle ADF							
		F1 Braille label kit							
		B1 Remote Operator's Software kit							
		F2 Voice Guidance kit							
		EFI SeeQuence Compose							
		EFI SeeQuence Impose							
		EFI SeeQuence Suite							
SUPPLIES/MAINTENANCE									
	Black drum; Yield: 460,000	Black drum; Yield: 6,000,000	Black drum (B2469510); Yield: 1,200,000	Black drum cartridge (includes developer)	Black drum cartridge (includes developer)	DR-510 Black drum (024K); Yield: 250,000	DR-710 Black drum (02XL); Yield: 500,000	DR-612K Black drum (A0TK0RD); Yield: 285,000	Black drum; Yield: 200,000
	Black toner cartridge; Yield: 73,900; Coverage: 6%	C-EXV36 Black toner cartridge; Yield: 56,000; Coverage: 5%	Black toner cartridge (885098); Yield: 43,000; Coverage: 5%	Black toner cartridge	Black toner cartridge	TN-511 Black toner cartridge (024E); Yield: 32,200; Coverage: 6%	TN-710 Black toner cartridge (02XJ); Yield: 55,000; Coverage: 6%	TN-618K Black toner (A0TM132); Yield: 37,500	Black toner cartridge (MX-500NT); Yield: 40,000; Coverage: 6%
	Black developer; Yield: 460,000		Type 24 Black developer (B0649645); Yield: 350,000			DV-511 Black developer (024G); Yield: 250,000	DV-710 Black developer (02XK); Yield: 250,000	DV-612K Black developer (A0TK03D); Yield: 1,140,000	Black developer; Yield: 200,000
MULTIFUNCTION MODES									
Copier	Std	Opt	Std	Std	Std	Std	Std	Std	Std
Internet Fax	Std	Opt	Opt	Opt	Opt	Opt	Opt	Std	Opt
Network Printer	Opt	Std	Opt	Std	Std	Opt	Opt	Std	Std
Printer	Opt	Std	Opt	Std	Std	Opt	Opt	Std	Std
Fax	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Network Fax	Std	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
PC Fax	Std	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Scanner	Opt	Opt	Opt	Opt	Opt	Std	Std	Std	Std
CONNECTIVITY SPECIFICATIONS									
Operating System Support	Win XP, Server 2003, Vista, Server 2008, 7, Mac OS X, Linux, UNIX, CUPS	Win 2000, XP, Server 2003, Vista, Server 2008, 7, Mac OS X10.4.9+	Win 2000, XP, Server 2003, Vista, Server 2008, Mac OS 8.6 - 9.2x, OS X v10.1 or 10.4.x, 10.5x+, Netware 3.2 - 6.5, Sun Solaris 2.6/7/8/9/10, HP-UX, SCO OpenServer, RedHat Linux, IBM AIX	Win 2000, XP, Server 2003, server 2008, Vista, 7, Mac OS 9.2.2-10.6	Win 2000, XP, Server 2003, server 2008, Vista, 7, Mac OS 9.2.2-10.6	Win NT 4.0, 2000, XP, Server 2003, Vista, Mac 9.2, 10.2, 10.3, 10.4, 10.5	Win 2000, XP, Server 2003, Vista, Mac OS 9.x, 10.x, Citrix, Linux, UNIX	Win 2000, XP, Server 2003,Vista, Server 2008, 7, Mac OS 9.x, 10.x, Citrix, Linux, UNIX	Win XP, Server 2003, Vista, Server 2008, 7, Mac OS 9.0 - 9.2.2, OS X 10.2.8 - 10.6.2, Novell Netware, Citrix (Metaframe, Presentation Server 4, 4.5), Linux, SAP, Sun OS 4.1x, Solaris 2x, UNIX and Windows Terminal Services
Parallel Interface	Opt	None	Opt	Std	Std	None	None	None	None
PC Fax/Print/Scan	No/Yes/Yes	Not applicable	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Not applicable	Not applicable	Not applicable	Not applicable
Serial Interface	None	None	None	None	None	None	None	None	None
PC Fax/Print/Scan	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
USB Interface	Std 2.0, std (host)	Std 2.0	Std 2.0, opt (host)	Std 2.0, std 2.0 (host)	Std 2.0, std 2.0 (host)	Opt 2.0	Opt 2.0, std 2.0 (host)	Std 2.0, std 1.1 (host)	Std 2.0, std 2.0 (host)
PC Fax/Print/Scan	No/Yes/No	No/Yes/No	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/No	Yes/Yes/Yes	Yes/Yes/Yes
Network Interface	Std Ethernet, opt wireless	Std Ethernet, opt wireless	Std Ethernet, opt wireless	Std Ethernet, opt Gigabit Ethernet	Std Ethernet, opt Gigabit Ethernet	Std Ethernet	Std Ethernet	Std Ethernet	Std Ethernet
Interface Type	10/100/1000BaseT, 802.11g, Bluetooth	10/100/1000BaseTX, 802.11b/g	10/100BaseTX, 802.11a/b/g, Bluetooth	10/100BaseTX, 10/100/1000BaseT	10/100BaseTX, 10/100/1000BaseT	10/100/1000BaseTX	10/100/1000BaseTX	10/100/1000BaseTX	10/100/1000 BaseT
LAN Fax/Print/Scan	Yes/Yes/Yes	No/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Networks Supported									
NetWare	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows NT	Yes	Yes	No	No	No	Yes	Yes	Yes	Yes
AppleTalk	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNIX	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
AS/400	Yes	No	Yes	No	No	Yes	Opt	Yes	Yes
Other	Linux, Citrix Metaframe		IPv4; IPv6; IPX/SPX; SMB			IPX/SPX, LPR/LPD, Port 9100, IPP, NDS, NDPS (Gateway), SMB, FTP, DNS, AutoIP, NTP, SNMP, SLP, LDAP, SMTP, ESMTP, POP3, APOP, SSL, HTTP(s)		Linux	None
FACSIMILE SPECIFICATIONS									
Scanner Technology	CCD	CCD	CCD	CCD	CCD	CCD	CCD	CCD	CCD
Compression Method	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG
Modem Speed	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps
Max TX Resolution	400 x 400 lpi	600 x 600 dpi	400 x 400 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	400 x 400 dpi
Gray Scale/Halftones	256 levels	256 levels	256 levels	256 levels	256 levels	256 levels	256 levels	256 levels	256 levels
Std/Max Fax Memory	Shared	Shared	Shared	Shared	Shared	32-MB RAM/32-MB RAM	32-MB RAM/32-MB RAM	Shared	8-MB RAM/8-MB RAM
Min/Max Orig Size (WxL)	A5/A3	A5/A3	A5/A3	A5/A3	A5/A3	A4/A3	A5/A3	A5/A3	A5/216 x 356
Max Paper/Print Width	279/279	279/279	279/279	279/279	279/279	279/279	279/279	279/279	216/216
Effective Scanning Width	279	279	279	279	279	279	279	279	216
Correct-Order Output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Batch Files	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Battery Backup	Yes	Yes	1 hr	Yes	Yes	30 min	Yes	Yes	Yes
Confid TX/RX	Yes/Yes	Yes/Yes	Yes/Yes	Yes/yes	Yes/yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes
Dual Lines	No	Std	Opt**	Opt	Opt	Opt	Opt	Opt	No
Multi Access	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Polling	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Relay Request	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Smoothing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Timers	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transfer Hub	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DIALING CAPABILITIES									
Broadcasting (Groups/Dest)	200/400	Info not avail	100/500	50/20	50/20	621	100/500	100/605	500/500
Redial (Attempts/Intervals)	14/Programmable	Info not avail	5/5 min	3/30 secs	3/30 secs	3/3 min	Programmable	7/1 to 15 min	Programmable
One Touch	None	Info not avail	None	72	72	500	1,000	None	1,000
Speed Dial	12,060		/2,000	2000	2000	2,000	1,000	2,000	1,000
Other	1 GB (HDD) transmission/F code & reception memory, 80-GB HD backup memory; delayed transmission; incoming fax routing to shared folder, e-mail or e-Filing	Job forwarding; different-size original; erase frame; job build; delayed send; review; job done notice; two-sized original mode; book to two page mode; up to four fax lines can be added; 50 confidential fax inboxes (mailboxes)	**Up to 3 lines; fax forwarding; automatic email notification; direct fax number entry; page counter; auto reduction; wild cards; ID code programming; user function keys; LCD prompt; remaining memory indicator; clock adjustment; user parameter setting; user data transfer; send later; book fax; closed network transmission; reception mode switching; auto answer delay time (SP mode); busy tone detection; manual reception; substitute reception; authorized reception; multi-copy; closed network reception; reception time printing; center mark; opt. duplex reception; monitor speaker; on-hook dial; tone transmission; pause; pulse/tone selection; chain dialing; reception mode selection	Walk-up fax; LAN fax; FoIP; opt internet fax and server fax enablement; fax forward to email; up to two opt lines can be added (total 3 lines)	Walk-up fax; LAN fax; FoIP; opt internet fax and server fax enablement; fax forward to email; up to two opt lines can be added (total 3 lines)	Route incoming faxes to e-mail, PC fax, FTP, SMB folder, HDD user box or group; RightFax support.	2,000 one touch dials with optional hard disk; supports IP address faxing and PC faxing; transmission speed of 2.4 seconds per page; border erase transmission; duplex transmission and reception; rotate transmission; TSI user box and user box routing	Supports IP address faxing and PC faxing; auto reduction printing; bulletin board; duplex transmission; image rotation and reception; mailbox transmission and reception; relay broadcasting; relay transmission; timer transmission; three seconds per page transmission speed	Inbound routing to email; quick on-line tx; direct tx; F-code tx/rx; rotate tx; anti-junk fax reception; auto staple received files; secure fax release; out of paper memory rx; auto redial; 2-in-1 rx; duplex rx; activity reports and PC fax
PRINTER SPECIFICATIONS									
Engine Mfr & Model	Toshiba/e-STUDIO556	Canon/imageRUNNER 6055	Ricoh/Aficio MP 6001	Fuji Xerox/DocuCentre-IV 5070	Fuji Xerox/ApeosPort-IV 5070	Konica Minolta/bizhub 501	Konica Minolta/bizhub 601	Konica Minolta/bizhub 552	Sharp/MX-M502N

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Side-By-Side Product Compare	Toshiba e-STUDIO556	Canon imageRUNNER ADVANCE 6055	Ricoh Aficio MP 6001	Fuji Xerox DocuCentre-IV 5070	Fuji Xerox ApeosPort-IV 5070	Konica Minolta bizhub 501	Konica Minolta bizhub 601	Konica Minolta bizhub 552	Sharp MX-M502N
Compatibility	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac
Speed	55 ppm	55 ppm	60 ppm	55 ppm	55 ppm	50 ppm	60 ppm	55 ppm	50 ppm
Max Print Area	A3	Info not avail	A3	Info not avail	Info not avail	Info not avail	310 x 459	A3	Info not avail
Enhanced Resolution	2400 x 600 dpi	Not applicable	Not applicable	1200 x 1200 dpi	1200 x 1200 dpi	2400 x 600 dpi	2,400 x 600 dpi	1,800 x 600 dpi	Info not avail
Unenhanced Resolution	600 x 600 dpi	1200 x 1200 dpi	1200 x 1200 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
Std/Max Printer Memory	Shared	Shared	Shared	Shared	Shared	Shared	Shared	Shared	1-GB RAM/2-GB RAM
Controller Mfr/Model	Toshiba/e-BRIDGE X (eBX)	Canon/Info not avail	Ricoh/Info not avail	Fuji Xerox/Info not avail	Fuji Xerox/Info not avail	Konica Minolta/Emperon IC-207	Konica Minolta/IC-208	Konica Minolta/MPC-8533	Freescale/Power QUICCIII
Processor/Bits/MHz	PowerPC 440/Info not avail/833	Custom dual processors/Info not avail/Info not avail	Celeron/Info not avail/1.0 GHz	PowerPC/Info not avail/933	PowerPC/Info not avail/933	Celeron M/32/600	Celeron-M32/1 GHz	Freescale MPC8533/64/1 GHz	MPC8533E/Info not avail/800
PDL/PCL	PCL 6, PostScript 3, XPS	UFRII, opt PCL 5e/6, opt Adobe PostScript	PCL 5e/6, RPCS, opt Adobe PostScript 3/ PDF, IPDS	PCL 5e/6, opt Adobe PostScript 3	PCL 5e/6, opt Adobe PostScript 3	PCL 5e/6, PostScript 3	PCL 5e/6, PostScript 3	PCL 5e/6, PostScript 3, XPS	PCL 6, opt PostScript 3, opt XPS
Controller Mfr/Model	Not applicable	EFI/imagePASS-U1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Core Duo T2500/Info not avail/2 GHz	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	PCL 5e/6, Adobe PostScript 3	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Controller Mfr/Model	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Other	Secure print; proof print; scheduled print; watermarks; tab printing; print to e-Filing; direct print from USB flash drive via host USB port on front of device; 80 PCL, 136 PS fonts	Optional direct print kit for PDF/XPS printing; print to USB (requires PostScript); std/max memory for imagePASS U1 print controller is 2-GB RAM, 80-GB HD	Sample/locked/hold/stored/store and print/PDF direct print; mail to print; classification code; Bonjour support; Windows Active Director/DDNS support; PCL resident font adoption; 1200 dpi support; mobile driver; XPS support; WS-printer; imposition settings; creep adjustment; crop mark	TIFF and PDF direct print; supports XPS; optional Adobe PostScript 3; print from USB	TIFF and PDF direct print; supports XPS; optional Adobe PostScript 3; print from USB	PDF direct printing; XPS print with optional hard drive	PDF, TIFF, encrypted PDF direct printing; native XPS support	PDF, TIFF, encrypted PDF, TIFF direct printing; 80 PCL and 137 PostScript 3 fonts; overlay mode; watermarks; MyTab allows users to set up customized print settings for quick recall; up to 1,000 user boxes can be created for document storage (maximum 3,000 documents); banner printing of up to 11-3/4" x 47-1/4"/297 mm x 1200 mm	Continuous printing; booklet printing; N-up; different cover page/last page; transparency inserts; tab printing; carbon print mode; fit to page; mirror image; poster mode; margin shift; watermarks; confidential print; confidential batch print; print hold; proof print; bypass printing; job priority printing; print job control; direct printing from USB memory, FTP, web page & email; file types: TIFF, JPEG, PCL, PRN, TXT, PDF, encrypted PDF, PostScript and XPS; opt XPS expansion kit requires 1-GB memory upgrade
SCANNER AND IMAGE MANAGEMENT SPECIFICATIONS									
Connection Type	Network	Network	Network	Network	Network	Network	Network	Network	Network
Technology/Speed	CCD/77 ipm color, 80 ipm black	CCD/85 ipm color, 120 ipm black	CCD/55 ipm color, 80 ipm black	CCD/70 ipm color, 70 ipm black	CCD/70 ipm color, 70 ipm black	CCD/70 ipm	CCD/75 ipm	CCD/78 ipm color, 78 ipm black	CCD/Info not avail
Max Resolution	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
TWAIN Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan Destinations									
E-mail	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
I-fax	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FTP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HDD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
URL	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LDAP Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan/Image Software	Opt third-party software	Std Color Network ScanGear	Info not avail	Std Fuji Xerox scanner utility	Std Fuji Xerox scanner utility	Std PageScope Cabinet software	Opt PageScope Workware	Opt Nuance Unity	Std ImageSend, std Sharpdesk
OCR Software	Opt e-BRIDGE RE-RITE	Info not avail	Info not avail	Opt DocuWorks	Opt DocuWorks	Std PageScope Cabinet software	Opt PageScope Workware	Opt Konica Minolta i-Option LK-103, opt Nuance Unity, opt Prism DeskRecord/DocRecord	Std ImageSend, std Sharpdesk
File Mgmt Software	Std e-Filing, opt third-party software	Info not avail	DeskTopBinder Lite	Opt DocuWorks	Opt DocuWorks	Std PageScope Cabinet software	Opt PageScope Workware	Opt Prism DeskRecord/DocRecord	Std ImageSend, std Sharpdesk
Other	Scan to file (HDD or network folder); scan to USB flash drive; e-Filing; supports SMTP authentication; supports XPS, TIFF, PDF, DOC, XLS, RTF, TXT file formats; Web Service Scan; opt advanced scanning kit (RE-RITE) provides scan to MS Word, MS Excel and Searchable PDF	Color scanning; file formats supported include TIFF, JPEG, PDF, XPS, high compression PDF/XPS, PDF/A-1b, optimized PDF for web; scan to USB; 1,800 address book locations	Full color scanner; scan to USB/SD card; scan to PDF, TIFF & JPEG; scan-to-folder (SMB, FTP, NCP); LDAP support; 2,000 e-mail storage, 500 max destinations per job	Color scanning; scan to USB; optional text-searchable PDF and high compression; supports TIFF, JPEG, DocuWorks, PDF, XPS file formats	Color scanning; scan to USB; optional text-searchable PDF and high compression; supports TIFF, JPEG, DocuWorks, PDF, XPS file formats	Opt PageScope Account Manager; file formats supported: TIFF, PDF, XPS, encrypted PDF; scan to FTP, SMB, WebDAV and USB WS-scan; search up to 5 LDAP servers; Send feature allows documents to be scanned to SMB, email, FTP, WebDAV, fax and user box simutaneously	File formats include PDF, encrypted PDF, XPS and TIFF files types; scan to USB, WebDAV and hard drive (user box); supports up to five LDAP servers; users can view thumbnail previews of scanned documents	Color scanning; file formats include TIFF, PDF, compact PDF, JPEG, XPS and compact XPS; scan to WebDAV, DPWS and USB; users can view thumbnail previews of scanned documents	Color scanning; scan to USB, desktop, fax, internet fax, network folder, e-mail, FTP; file formats include TIFF, PDF, encrypted PDF, XPS for monochrome files and grayscale; color TIFF, JPG, PDF, encrypted PDF; high compression PDF; XPS for color files; XPS advanced compression
COMMENTS									
	One-touch template feature allows users to store personalized settings or workflows (12,060 templates available); remaining paper volume indicator; toner recycling system; e-Filing features one public box & 200 private boxes; user can create 100 folders per private box & store up to 400 documents per folder (1,000 pages per document); TopAccess File Downloader & Document Mgmt utilities included; opt e-BRIDGE Viewer; opt e-BRIDGE Fleet Management software, direct print from/scan to USB flash drives; 8-bit depth; RoHS and Blue Angel compliant; supports Toshiba's Open Platform architecture	Utilizes Canon's Precision Output (pO) toner and twin-sleeve technology that aids in reproducing detailed originals, ensures ultra smooth gradations and even distribution of toner on the page. Supports MEAP technology	Features large WVGA color touch screen; available software include SmartDeviceMonitor for Admin/Client, Web SmartDeviceMonitor, Web Image Monitor, DeskTopBinder Lite, TWAIN driver, printer utility for Macintosh; security features include user authentication; Unauthorized Copy Control embeds a message on document that appears on copied document; opt DataOverwrite security system; copy data security unit; compatible with Ricoh's Embedded Software Architecture; document management tools: opt Remote Intelligent Management System reports meter usage data automatically and securely; DocumentMall enables users to securely store, edit, share and retrieve documents and files from PCs via the Internet and scan documents into a secure folder; four beam laser system; environmental features include toner recycling, low noise levels, minimal ozone emissions, RoHS compliant	Device features an 8.5" color touch screen control panel and front panel USB port and is equipped with Smart Energy Management Technology	Fuji Xerox Apeos iiX (Apeos Internet Integration based on XML and SOAP) software platform allows for customized applications to run on the device; Image Gateway for Apeos software platform provides customized integrated MFD functionality from the control panel; device features an 8.5" color touch screen control panel and front panel USB port and is equipped with Smart Energy Management Technology; supports the Xerox Global Print Driver; CentreWare Internet Services	InfoLine status display tracks the flow of information, indicating operting status at a glance; box function allows storage of documents in up to 1,000 user boxes--requires the optional hard disk drive; support for IPv6 next-generation network protocol; WebDAV online file management faciliates file and folder management; opt Biometric Authentication unit provides sophisticated user authentication to guard against unauthorized access to sensitive data based on scanning finger vein patterns; scan and print from USB memory from the front of the device; PageScope Software Suite includes PageScope Web Connecton (for device management and LDAP addressing), PageScope Net Care (for managing multiple devices from a single point), PageScope Print Status Notifier (used to alert user when a job is finished or supplies need replenishing), PageScope Data Administrator (for enhanced addressing and security functions) , PageScope Workware (for personal document managerment) and PageScope Account Manager (efficient cost control for users and accounts, enhanced productivity due to optimisation of the MFP and printer infrastructure in line with usage reports, central	Utilizes Open Platform control system; opt audit and image log tracks usage and controls access on network; print from USB memory w/opt hard drive; bizhub Extended Solution Technology (bEST) allows for integration of third-party software	Utilizes Open Platform control system; bizhub Extended Solution Technology (bEST) allows for integration of third-party software; CS Remote Care monitors and transmits consumable data and any technical problems to the service organization; mobile printing via Bluetooth; full bleed 11 x 17/A3 output	Sharp's third generation OSA platform allows users to interact with network applications directly from the 7" (measured diagonally) high resolution color touch screen featuring graphical menu navigation and choice of six screen colors; remote front panel allows administrators and support personnel to view and contol the LCD panel of the machine remotely from any PC on the network; opt retractable keyboard; std Application Communication Module lets remote applications create, configure and execute scanning and printing jobs; supports Intelligent Device Management (IDVM) with PAU5 (Printer Administration Utility); home page on LCD panel offers easy menu customization; front panel USB port and new contemporary grain design; users can preview documents from 38-GB document filing system utilizing thumbnail mode image preview; quick file folder has 12-GB capacity, 10,000 pages or 1,000 files; firmware upgrades via USB flash ROMs or network updates via PAU; opt Ipsec support allows integration to higher security IT environments & SSL support provides encryption for confidential information to be securely communicated over the Internet; std
COMMENTS		**COMMENTS**							
	One-touch template feature allows users to store personalized settings or workflows (12,060 templates available); remaining paper volume indicator; toner recycling system; e-Filing features one public box & 200 private boxes; user can create 100 folders per private box & store up to 400 documents per folder (1,000 pages per document); TopAccess File Downloader & Document Mgmt utilities included; opt e-BRIDGE Viewer; opt e-BRIDGE Fleet Management software, direct print from/scan to USB flash drives; 8-bit depth; RoHS and Blue Angel compliant; supports Toshiba's Open Platform architecture		One-touch template feature allows users to store personalized settings or workflows (12,060 templates available); remaining paper volume indicator; toner recycling system; e-Filing features one public box & 200 private boxes; user can create 100 folders per private box & store up to 400 documents per folder (1,000 pages per document); TopAccess File Downloader & Document Mgmt utilities included; opt e-BRIDGE Viewer; opt e-BRIDGE Fleet Management software, direct print from/scan to USB flash drives; 8-bit depth; RoHS and Blue Angel compliant; supports Toshiba's Open Platform architecture						

Spec Comparison Sheet (e-STUDIO556 v

***Red character: Changed points from Ala**

Side-By-Side Product Compare	Toshiba e-STUDIO556	Sharp MX-M503N	Kyocera TASKalfa 5500i
BACKGROUND INFORMATION		**16851/AUS**	**18062/AUS**
Dataquest Segment	4	4	4
SRP/Street Price	$ not avail/None	$ not avail/None	$ not avail/None
Manufacturing Status	New	New	New
Domestic Intro Date	After Feb 2012	May 2009	June 2011
OEM	Toshiba (China)	Sharp (China/Japan)	Kyocera (China)
Also Sold As	None	None	None
Distributed By	Info not avail	Info not avail	Info not avail
Max Monthly Duty Cycle	450,000 impressions	200,000 impressions	225,000 impressions
TYPE	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**
Configuration/Scanner	Console,digital	Console,digital	Console,Digital
Toner	Dry, dual component	Dry, dual component	Dry, dual component
GENERAL SPECIFICATIONS/PAPER HANDLING			
First Copy Time	4 sec	3.9 sec	4.3 sec
Multicopy (A4/A3)	55/34 cpm	50/22 cpm	55/22 cpm
Warm-up Time	130 sec	20 sec	23 sec
Std Paper Source(s)	Triple drawer	Dual drawer	Dual drawer
Std Paper Capacity	500/500/2,500 sheets	500/500 sheets	500/500 sheets
Paper Weights	64 to 209 gsm	60 to 209 gsm	60 to 256 gsm
Bypass/Paper Weights	100-sheet/64 to 209 gsm	100-sheet/56 to 209 gsm	150-sheet/60 to 300 gsm
Max Paper Sources	5	6	6
Max Paper Capacity	7,600 sheets	5,600 sheets	7,150 sheets
Max Original Size	A3	A3	A3
Output Size (Min/Max)	A5/A3	A5/A3	A5/304.8 x 457.2
Copy Resolution	2400 x 600 dpi	600 x 600 dpi	600 x 600 dpi
System Memory (Std/Max)	1-GB RAM, 80-GB HD/1-GB RAM, 80-GB HD	640-MB RAM, 80-GB HD/640-MB RAM, 80-GB HD	1-GB RAM, 160-GB HD/2-GB RAM, 160-GB HD
Duplex	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)
Duplex Capacity/Paper Sizes	Unlimited/A5 to/A3	Unlimited/A5 toA3	Unlimited/A5 to304.8 x 457.2
Document Feeder	Std RADF	Std DSPF	Opt RADF and DSPF
Doc Feeder Speed/Capacity	71 opm/100 orig	70 opm/100 orig	50 opm color, 80 opm black or 50 opm color, 75 opm black/175 orig, 100 orig
Paper Weights	35 to 209 gsm	Info not avail	35 to 220 gsm/45 to 160 gsm
Sorter (Bins/Capacity)	None	None	None
Staple Sorter	None	None	Not applicable
Bins/Stapling Capacity	Not applicable	Not applicable	Not applicable
Stapling Positions	Not applicable	Not applicable	Not applicable
Finisher	Opt finishers	Opt finishers	Opt finishers
Tray/Stapling/Position(s)	4,000, 4,000, 4,000/50, 50, 100/4, 4, 4	500, 1,000, 4,000/50/3	4,000, 1,000/65, 50/3, 3
Other	Electronic sorting; opt multi-staple finisher has two trays (2,000/2,000); opt saddle-stitch 50-sheet stapling finisher has two trays (2,000/2,000), V folds and saddle-stitches up to 15 sheets (60-page booklets); opt saddle-stitch 100-sheet stapling finisher has two trays (2,000/2,000), V folds and saddle- stitches up to 15 sheets (60-page booklets); opt hole punch unit; opt post sheet inserter holds 100 sheets; opt 4,000-sheet LCT handles letter/A4-sized paper; std 2,500-sheet tandem large capacity feeder has two 1,250-sheet trays and handles letter/A4-sized paper	Opt inner finisher has one tray (500 sheets) and opt hole punch; opt saddle-stitch finisher has one tray (1,000 sheets), saddle stitches up to 15 sheets (60 pages) and opt hole punch; electronic sorting; opt stacking finisher has two trays (1,550/2,450) and opt hole punch	Choice of document feeder options -- duplex single pass feeder (simultaneously scans both sides of document) or reversing automatic document feeder; paper handling options include dual 500-sheet paper drawers, dual 1,500-sheet paper drawers, 3,000-sheet large capacity tray (8.5" x 11"/A4); opt 4,000-sheet finisher offers opt 7-bin mailbox (100 sheets per bin), opt hole punch and opt saddle stitching; opt 1,000-sheet finisher offers opt hole punch
SECURITY SPECS			
Network User Authentication	Yes	Yes	Yes
IP Address Filtering	Yes	Yes	Yes
MAC Address Filtering	Yes	Yes	Yes
HDD Overwrite	Opt	Opt	Opt
Max Overwrites	5	7	3
HDD Encryption	Yes	Opt	Opt
Secure Print	Yes	Yes	Yes
Encrypted Secure Print	Yes	Yes	Yes
Encrypted PDF Mode (Encrypted Scanning)	Yes	Yes	Yes
IPsec	Opt	Yes	Yes
Secure Sockets Layer (SSL)	Yes	Yes	Yes
SNMPv3	No	Yes	Yes
Transport Layer Security	No	Yes	Yes
Other	Std Self-Encrypting HDD Drive; opt Data Overwrite kit is Common Criteria certified; opt e-BRIDGE SmartCard card reader limits unauthorized access to device; DPWS security for encrypted print; IPv6 support	IPV4 and IPV6; IEEE P2600-2008 compliant; DoD (NSTISSP) #11; DoD Directive 8500.2; DoD (DISA); IEEE 802.1x device authentication protocol smartcard / CAC device authentication; protocol filtering; port management; opt Data Security Kit encrypts data up to seven times on hard drive; secure fax release requires user to enter PIN code	Opt card authentication kit; opt data security kit is ISO 15408 Common Criteria certified and provides overwrite and encryption for print, copy and scan; IPv6 support; USB port block; std data sanitation mode can be used to wipe all system memory at the end of a lease
CONTROL PANEL	**keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**
Quantity Selector	1 to 9,999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)
Message Display	Yes	Yes	Yes
Help Key	Yes	Yes	Yes
FEATURES			
Automatic Features	AES, AMS, APS, AS, ATS	AES, AMS, APS, ATS	AES, APS, AS, ASO, ATS
Book Copy	Yes	Yes	Yes
Booklet Mode	Std	Std	Std
Color	No	No	No
Copy Control	1,000*	1,000	1,000
Covers	Std	Std	Std
Editing	Std	No	No
Energy-Save	Yes	Yes	Yes
Erase	Std	Std	Std
Image Insert	No	Yes	Yes
Image Overlay	No	Std	Std
Image Repeat	No	Yes	Yes
Image Rotate	Std	Std	Std
Interrupt	Yes	Yes	Yes
Job Build	Yes	Yes	Yes
Job Programs	12,060	Yes	Yes
Job Time	Yes	No	No
Language	Std	Std	Std
Margin Shift	Yes	Yes	Yes

Spec Comparison Sheet (e-STUDIO556 v

***Red character: Changed points from Ala**

Side-By-Side Product Compare	Toshiba e-STUDIO556	Sharp MX-M503N	Kyocera TASKalfa 5500i
Neg/Pos	Yes	Yes	Yes
OHP Interleaving	Yes	Yes	Yes
Photo Mode	Yes	Yes	Yes
Poster Mode	No	Yes	Yes
Preset R/E	7R, 7E	4R, 5E	5R, 5E
Program Ahead	10	48	10
Sheet Insertion	Std	Std	Std
Stamping	Std	Std	Std
Timer	Yes	No	Yes
2-in-1	Std	Std	Std
XY Zoom	Yes	Yes	Yes
Zoom Range	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)
Other Features	*1,000 department/10,000 user codes; mirror image; 2-in-1, 4-in-1, 8-in-1; copy to hard drive document storage (e-Filing); date and time display; page numbers; annotation; 12,060 templates in up to 201 groups	Center and edge erase; zoom range 25 to 200% (1%) through document feeder; mirror image; tandem copy; card shot mode; tab paper insertion; proof copy; document filing; mixed-size originals; date, character and page stamping; centering	Electronic sort; prevent bleed through; mirror image; page number; form overlay; Bates stamping; shortcut keys; repeat copy; one touch, hue, auto exposure, sharpness color adjustment; custom box; job box; removable memory box; fax box (with optional fax system); maximum of 60 program ahead jobs via system menu setting
ADDITIONAL INFORMATION			
Dimensions (HxWxD)	1,176 mm x 698 mm x 789 mm	935 mm x 645 mm x 695 mm	747 mm x 668 mm x 767 mm
Weight	203 kg	95 kg	82 kg
Power Requirements	220-240 V, 9 A	220-240 V, Amps not avail	220-240 V, 7.2 A
Energy Used While Power Off	0.09W	Info not avail	1W
Energy Used in Power Save Mode	1.64 W	Info not avail	16W
Energy Used in Ready Mode	311W	Info not avail	< 170W
Energy Used While Copying	1,864W	Info not avail	< 970W
Energy Used While Printing	Info not avail	Info not avail	< 970W
Energy Used While Scanning	Info not avail	Info not avail	Info not avail
Max Power Consumption	1,864W	Info not avail	< 1800W
TEC Value	11.07KWh	Info not avail	6.9KWh
Dedicated Outlet	Required	Required	Recommended
Energy Star Compliant	Yes	Yes	Yes
Operating Noise Level	55 dB	53 dB	75 dB
COMMENTS	None	None	None
OPTIONS			
	MP-4004 LCT 4,000 sheets	LCT 3,500 sheets (MX-LCX1)	DP-771 DSPF
	MJ-1027 Multi-position Staple Finisher	Paper drawer 500 sheets (MX-DEX8)	DP-770 RADF
	MJ-1028 50-sheet Staple Saddle-stitch Finisher	Paper tray lock (L80PTLMX4150)	PF-770 LCT 3,000 sheets
	MJ-1029 100-sheet Staple Saddle-stitch Finisher	Paper-feed unit 2 x 500 sheets (MX-DEX9)	PF-740 Paper-feed unit 2 x 1,500 sheets
	KN-1017 Finisher rail	Exit tray (MX-TRX1)	PF-730 Paper-feed unit 2 x 500 sheets
	MJ-7001 Post sheet inserter	Finisher (MX-FN11)	DF-770 Finisher 1,000 sheets
	MJ-6003 Punch unit (for MJ-1027/1028/1029)	Finisher booklet (MX-FN10)	DF-790 Finisher 4,000 sheets
	GM-1260 Printer Kit	Finisher internal (MX-FNX9)	AK-730 Finisher bridge unit
	GM-2270 Printer/Scanner Kit	Punch unit 2 hole (MX-PNX6A)	BF-730 Folding unit booklet and tri-fold
	GM-4250 Scanner Kit	Punch unit 2 hole for inner finisher (MX-PNX1A)	JS-730 Job separator 30-sheet internal
	GS-1020 External interface enabler for open platform	Punch unit 2 hole for saddle-stitch finisher (MX-PNX5A)	JS-731 Job separator 70-sheet external
	GD-1250 Fax option	Punch unit 4 hole conventional (MX-PNX6C)	MT-730 Mailbox
	GD-1260 Fax second line	Punch unit 4 hole conventional for internal finisher (MX-PNX1C)	PH-7C Punch unit
	GS-1010 Meta scan enabler	Punch unit 4 hole for saddle-stitch finisher (MX-PNX5C)	(B) Card reader holder
	GN-1060 Adapter wireless network	Punch unit 4 hole wide spacing for inner finisher (MX-PNX1D)	DT-730 Document tray
	GN-2020 Interface Bluetooth	Punch unit 4 hole wide spacing for MX-FN11 (MX-PNX6D)	Type F Platen cover
	GN-3010 Wireless antenna	Punch unit 4 hole wide-spacing for saddle-stitch finisher (MX-PNX5D)	A Fax kit internet
	GQ-1040 Harness Kit for Coin Controller	Cabinet (MX-DK131)	V Fax option
	GP-1070 Data overwrite kit	Keyboard (MX-KBX2)	V Fax second line
	GP-1080 IPSec enabler	Paper pass unit (MX-RBX3)	IB-50 Gigabit Ethernet card
	GS-1007 Unicode Font Enabler	Application communication module (MX-AMX2)	MM-16-128 120-MB fax memory
	KP-2004 SmartCard reader HID/MIFARE	Application integration module (MX-AMX1)	1-GB memory
	KP-2005 SmartCard reader MIFARE	Fax internet (MX-FWX1)	CF-4GB 4-GB CompactFlash
	GQ-1240 Harness kit for coin controller	Fax option (MX-FXX2)	B Card Authentication kit for HID proximity card
	GB-1261 e-BRIDGE Fleet Management System software	Scanning PDF compression kit enhanced (MX-EBX3)	E Data security kit
	GB-1280 e-BRIDGE RE-RITE OCR software	Stamp unit (AR-SU1)	A Printed document guard kit
		XPS expansion kit (MX-PUX1)	KYOCapture Express one device license software
		1-GB memory (MX-SMX3)	KYOCapture Express ten device license software
		Bar code (AR-PF1)	
		PostScript 3 (MX-PKX1)	
		Data security kit (MX-FR14U)	
		Accounting module external (MX-AMX3)	
		Sharpdesk 1 user license (MX-USX1)	
		Sharpdesk 10 user license (MX-US10)	
		Sharpdesk 100 user license (MX-USA0)	
		Sharpdesk 5 user license (MX-USX5)	
		Sharpdesk 50 user license (MX-US50)	

Spec Comparison Sheet (e-STUDIO556 v

***Red character: Changed points from Ala**

Side-By-Side Product Compare	Toshiba e-STUDIO556	Sharp MX-M503N	Kyocera TASKalfa 5500i
SUPPLIES/MAINTENANCE			
	Black drum; Yield: 460,000	Black drum; Yield: 200,000	TK-6309 Black toner cartridge; Yield: 35,000; Coverage: 6%
	Black toner cartridge; Yield: 73,900; Coverage: 6%	Black toner cartridge (MX-500NT); Yield: 40,000; Coverage: 6%	MK-6305A Maintenance kit black (includes drum and developer); Yield: 600,000
	Black developer; Yield: 460,000	Black developer; Yield: 200,000	WT-860 Waste toner container; Yield: 25,000
			PM Schedule: 600,000
MULTIFUNCTION MODES			
Copier	Std	Std	Std
Internet Fax	Std	Opt	Opt
Network Printer	Opt	Std	Std
Printer	Opt	Std	Std
Fax	Opt	Opt	Opt
Network Fax	Std	Opt	Opt
PC Fax	Std	Opt	Opt
Scanner	Opt	Std	Std
CONNECTIVITY SPECIFICATIONS			
Operating System Support	Win XP, Server 2003, Vista, Server 2008, 7, Mac OS X, Linux, UNIX, CUPS	Win 98, NT 4.0, Me, 2000, XP, Server 2003, Vista, Server 2008, Mac OS 9, OS X 10 - 10.5.6, Novell Netware, Citrix (Metaframe, Presentation Server 4, 4.5), Linux, SAP, Sun OS 4.1x, Solaris 2x, UNIX and Windows Terminal Services	Win 2000, XP, Server 2003, Vista, Server 2008, 7, Mac OS 10.x, Sun OS 4.1.x, Solaris 2.x, AIX, HP-UX (LPR), Novel NetWare 3.x-6.x
Parallel Interface	Opt	None	None
PC Fax/Print/Scan	No/Yes/Yes	Not applicable	Not applicable
Serial Interface	None	None	None
PC Fax/Print/Scan	Not applicable	Not applicable	Not applicable
USB Interface	Std 2.0, std (host)	Std 2.0, std 2.0 (host)	Std 2.0, std 2.0 (host)
PC Fax/Print/Scan	No/Yes/No	Yes/Yes/Yes	Yes/Yes/Yes
Network Interface	Std Ethernet, opt wireless	Std Ethernet	Std Ethernet
Interface Type	10/100/1000BaseT, 802.11g, Bluetooth	10/100/1000 BaseT	10/100/1000BaseTX
LAN Fax/Print/Scan	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Networks Supported			
NetWare	Yes	Yes	Yes
Windows NT	Yes	Yes	Yes
AppleTalk	Yes	Yes	Yes
UNIX	Yes	Yes	Yes
AS/400	Yes	Yes	Yes
Other	Linux, Citrix Metaframe	None	
FACSIMILE SPECIFICATIONS			
Scanner Technology	CCD	CCD	CCD
Compression Method	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG
Modem Speed	33.6 Kbps	33.6 Kbps	33.6 Kbps
Max TX Resolution	400 x 400 lpi	400 x 400 dpi	600 x 600 dpi
Gray Scale/Halftones	256 levels	256 levels	Info not avail
Std/Max Fax Memory	Shared	8-MB RAM/8-MB RAM	12-MB RAM/120-MB RAM
Min/Max Orig Size (WxL)	A5/A3	A5/216 x 356	A5/A3
Max Paper/Print Width	279/279	216/216	279/Info not avail
Effective Scanning Width	279	216	Info not avail
Correct-Order Output	Yes	Yes	Info not avail
Batch Files	Yes	Yes	Info not avail
Battery Backup	Yes	Yes	Info not avail
Confid TX/RX	Yes/Yes	Yes/Yes	Yes/Yes
Dual Lines	No	No	Opt
Multi Access	Yes	Yes	Yes
Polling	Yes	Yes	Yes
Relay Request	Yes	Yes	Yes
Smoothing	Yes	Yes	Yes
Timers	Yes	Yes	Yes
Transfer Hub	Yes	Yes	Info not avail
DIALING CAPABILITIES			
Broadcasting (Groups/Dest)	200/400	500/500	Info not avail/500
Redial (Attempts/Intervals)	14/Programmable	Programmable	Info not avail
One Touch	None	1,000	100
Speed Dial	12,060	1,000	50
Other	1 GB (HDD) transmission/F code & reception memory, 80-GB HD backup memory; delayed transmission; incoming fax routing to shared folder, e-mail or e-Filing	Inbound routing to email; quick on-line tx; direct tx; F-code tx/rx; rotate tx; anti-junk fax reception; auto staple received files; secure fax release; out of paper memory rx; auto redial; 2-in-1 rx; duplex rx; activity reports and PC fax	Duplex TX/RX; F-code TX/RX; fax box; opt internet fax and opt second fax line
PRINTER SPECIFICATIONS			
Engine Mfr & Model	Toshiba/e-STUDIO556	Sharp/MX-M503N	Kyocera/TASKalfa 5500i

Spec Comparison Sheet (e-STUDIO556 v

***Red character: Changed points from Ala**

Side-By-Side Product Compare	Toshiba e-STUDIO556	Sharp MX-M503N	Kyocera TASKalfa 5500i
Compatibility	PC, Mac	PC, Mac	PC, Mac
Speed	55 ppm	50 ppm	55 ppm
Max Print Area	A3	Info not avail	Info not avail
Enhanced Resolution	2400 x 600 dpi	1200 x 1200 dpi	Not applicable
Unenhanced Resolution	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
Std/Max Printer Memory	Shared	1-GB RAM/2-GB RAM	Shared
Controller Mfr/Model	Toshiba/e-BRIDGE X (eBX)	Freescale/Power QUICCIII	Kyocera/Info not avail
Processor/Bits/MHz	PowerPC 440/Info not avail/833	MPC8533E/Info not avail/800	PowerPC 750CL/Info not avail/600
PDL/PCL	PCL 6, PostScript 3, XPS	PCL 5e/6, opt PostScript 3, opt XPS	PCL 6, PostScript 3, PRESCRIBE, XPS
Controller Mfr/Model	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	Not applicable	Not applicable
Controller Mfr/Model	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	Not applicable	Not applicable
Other	Secure print; proof print; scheduled print; watermarks; tab printing; print to e-Filing; direct print from USB flash drive via host USB port on front of device; 80 PCL, 136 PS fonts	Continuous printing; booklet printing; N-up; different cover page/last page; transparency inserts; tab printing; carbon print mode; fit to page; mirror image; poster mode; margin shift; watermarks; confidential print; confidential batch print; print hold; proof print; bypass printing; job priority printing; print job control; direct printing from USB memory, FTP, web page & email; file types: TIFF, JPEG, PCL, PRN, TXT, PDF, encrypted PDF, PostScript and XPS; opt XPS expansion kit requires 1-GB memory upgrade	Fonts: 93 PCL 6, 136 PostScript, 8 Win Vista, 1 bitmap; direct print from USB; utilities include PRESCRIBE, PDF Direct Print, KMnet Admin, KMnet Viewer, Kyocera Command Center RX; supports banner printing up to 12" x 47"/304.8 mm x 1,219.2 mm
SCANNER AND IMAGE MANAGEMENT SPECIFICATIONS			
Connection Type	Network	Network	Network, USB
Technology/Speed	CCD/77 ipm color, 80 ipm black	CCD/70 ipm	CCD/50 ipm color, 80 ipm black or 50 ipm color, 75 ipm black
Max Resolution	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
TWAIN Compatible	Yes	Yes	Yes
Scan Destinations			
E-mail	Yes	Yes	Yes
I-fax	Yes	Yes	Yes
FTP	Yes	Yes	Yes
SMB	Yes	Yes	Yes
HDD	Yes	Yes	Yes
URL	No	Yes	INA
LDAP Support	Yes	Yes	Yes
Scan/Image Software	Opt third-party software	Std ImageSend, std Sharpdesk	Info not avail
OCR Software	Opt e-BRIDGE RE-RITE	Std ImageSend, std Sharpdesk	Opt KYOcapture Express
File Mgmt Software	Std e-Filing, opt third-party software	Std ImageSend, std Sharpdesk	Opt DMS link
Other	Scan to file (HDD or network folder); scan to USB flash drive; e-Filing; supports SMTP authentication; supports XPS, TIFF, PDF, DOC, XLS, RTF, TXT file formats; Web Service Scan; opt advanced scanning kit (RE-RITE) provides scan to MS Word, MS Excel and Searchable PDF	Color scanning; scan to USB, desktop, fax, internet fax, network folder, e-mail, FTP; file formats include TIFF, PDF, encrypted PDF, XPS for monochrome files and grayscale; color TIFF, JPG, PDF, encrypted PDF; high compression PDF; XPS for color files; XPS advanced compression	Color scanning; scan to USB; WSD scan, supports TIFF, JPEG, PDF, PDF/A, XPS file formats; scan speeds are when using the document feeder and are based on letter/A4 at 300 dpi resolution
COMMENTS			
	One-touch template feature allows users to store personalized settings or workflows (12,060 templates available); remaining paper volume indicator; toner recycling system; e-Filing features one public box & 200 private boxes; user can create 100 folders per private box & store up to 400 documents per folder (1,000 pages per document); TopAccess File Downloader & Document Mgmt utilities included; opt e-BRIDGE Viewer; opt e-BRIDGE Fleet Management software, direct print from/scan to USB flash drives; 8-bit depth; RoHS and Blue Angel compliant; supports Toshiba's Open Platform architecture	Sharp's third generation OSA platform allows users to interact with network applications directly from the 8.5" (measured diagonally) high resolution color touch screen featuring graphical menu navigation; remote front panel allows administrators and support personnel to view and contol the LCD panel of the machine remotely from any PC on the network; std Application Communication Module lets remote applications create, configure and execute scanning and printing jobs; supports Intelligent Device Management (IDVM) with PAU5 (Printer Administration Utility) and opt Scope software from MWai; home page on LCD panel offers easy menu customization; features retractable keyboard, front panel USB port and new contemporary grain design; users can preview documents from 38-GB document filing system utilizing thumbnail mode image preview; firmware upgrades via USB flash ROMs or network updates via PAU; opt IPsec support allows integration to higher security IT environments & SSL support provides encryption for confidential information to be securely communicated over the Internet; std network tandem print/copy; toner recycling; lead and chromium free design (RoHS	HyPAS (Hybrid Platform for Advanced Solutions)
COMMENTS			
	One-touch template feature allows users to store personalized settings or workflows (12,060 templates available); remaining paper volume indicator; toner recycling system; e-Filing features one public box & 200 private boxes; user can create 100 folders per private box & store up to 400 documents per folder (1,000 pages per document); TopAccess File Downloader & Document Mgmt utilities included; opt e-BRIDGE Viewer; opt e-BRIDGE Fleet Management software, direct print from/scan to USB flash drives; 8-bit depth; RoHS and Blue Angel compliant; supports Toshiba's Open Platform architecture		

Spec Comparison Sheet (e-STUDIO656 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO656	Canon imageRUNNER ADVANCE 6065	Ricoh Aficio MP 6001	Ricoh Aficio MP 7001	Fuji Xerox DocuCentre-II 6000	Fuji Xerox ApeosPort-II 6000	Konica Minolta bizhub 601	Konica Minolta bizhub 652	Sharp MX-M623N	Kyocera TASKalfa 6500i
BACKGROUND INFORMATION		**17651/AUS**	**16946/AUS**	**16947/AUS**	**15507/AUS**	**15506/AUS**	**16453/AUS**	**18079/AUS**	**17619/AUS**	**18063/AUS**
Dataquest Segment	4	4	4	5	4	4	4	4	4	4
SRP/Street Price	$ not avail/None	$ not avail/None	$ not avail/None	$ not avail/None	$ not avail/$ not avail	$ not avail/$ not avail	$ not avail/None	$ not avail/None	$ not avail/None	$ not avail/None
Manufacturing Status	New	New	New	New	New	New	Discontinued	New	New	New
Domestic Intro Date	After Feb 2012	September 2010	June 2009	June 2009	October 2007	October 2007	July 2009	April 2011	July 2010	June 2011
OEM	Toshiba (China)	Canon (Japan)	Ricoh (China)	Ricoh (China)	Fuji Xerox Co., Ltd. (China)	Fuji Xerox Co., Ltd. (China)	Konica Minolta Business (China/Japan)	Konica Minolta Business (China/Japan)	Sharp (China/Japan)	Kyocera (China)
Also Sold As	Info not avail	None	Info not avail	Info not avail	Info not avail	Info not avail	Develop ineo 601; Oce VarioLink 6022	None	None	None
Distributed By	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail
Max Monthly Duty Cycle	500,000 impressions	Info not avail	300,000 impressions	300,000 impressions	350,000 impressions	350,000 impressions	Info not avail	Info not avail	Info not avail	350,000 impressions
TYPE	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**
Configuration/Scanner	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,Digital
Toner	Dry, dual component	Dry, monocomponent	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component
GENERAL SPECIFICATIONS/PAPER HANDLING										
First Copy Time	4 sec	3.3 sec	4.2 sec	3.5 sec	3 sec	3 sec	3.3 sec	3.8 sec	4.0 sec	5.2 sec
Multicopy (A4/A3)	65/37 cpm	65/32 cpm	60 cpm/Info not avail	70 cpm/Info not avail	65/33 cpm	65/33 cpm	60/35 cpm	65/33 cpm	62 cpm/Info not avail	65/32 cpm
Warm-up Time	130 sec	38 sec	30 sec	30 sec	30 sec	30 sec	4.5 min	30 sec	30 sec	30 sec
Std Paper Source(s)	Triple drawer	Dual drawer, dual tray	Triple drawer	Triple drawer	Four drawer	Four drawer	Four drawer	Four drawer	Triple drawer	Dual drawer, dual tray
Std Paper Capacity	500/500/2,500 sheets	550/550/1,500/1,500 sheets	1,550/1,550/550/550 sheets	1,550/1,550/550/550 sheets	500/500/1,490/1,860 sheets	500/500/1,490/1,860 sheets	1,500/1,000/500/500 sheets	500/500/1,500/1,000 sheets	2,000/500/500 sheets	500/500/1,500/1500 sheets
Paper Weights	64 to 209 gsm	52 to 220 gsm	53 to 128 gsm	53 to 128 gsm	52 to 200 gsm	52 to 200 gsm	60 to 200 gsm	64 to 256 gsm	60 to 209 gsm	60 to 256 gsm
Bypass/Paper Weights	100-sheet/64 to 209 gsm	100-sheet/52 to 256 gsm	100-sheet/53 to 216 gsm	100-sheet/53 to 216 gsm	Std 100-sheet, opt 250-sheet/52 to 280 gsm	Std 100-sheet, opt 250-sheet/52 to 280 gsm	100-sheet/50 to 200 gsm	150-sheet/64 to 300 gsm	100-sheet/60 to 209 gsm	150-sheet/60 to 300 gsm
Max Paper Sources	6	6	5	5	7	7	6	6	5	8
Max Paper Capacity	7,600 sheets	7,700 sheets	8,300 sheets	8,300 sheets	8,600 sheets	8,600 sheets	7,600 sheets	6,650 sheets	6,600 sheets	7,650 sheets
Max Original Size	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3
Output Size (Min/Max)	A5/A3	A5/A3	A5/A3	A5/A3	100 x 148/A3	100 x 148/A3	A6/A3+	A5/A3+	A5/A3+	A5/304.8 x 457.2
Copy Resolution	2400 x 600 dpi	1200 x 1200 dpi	1200 x 1200 dpi	1200 x 1200 dpi	2400 x 2400 dpi	2400 x 2400 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
System Memory (Std/Max)	1-GB RAM, 80-GB HD/1-GB RAM, 80-GB HD	1.5-GB RAM, 80-GB HD/2-GB RAM, 250-GB HD	512-MB RAM, 160-GB HD/1.5-GB RAM, 160-GB HD	512-MB RAM, 160-GB HD/1.5-GB RAM, 160-GB HD	256-MB RAM, 40-GB HD/768-MB RAM, 40-GB HD	512-MB RAM, 40-GB HD/768-MB RAM, 40-GB HD	1-GB RAM/1-GB RAM, 60-GB HD	2-GB RAM, 250-GB HD/3-GB RAM, 250-GB HD	512-MB RAM, 80-GB HD/512-MB RAM, 80-GB HD	2-GB RAM, 2 x 160-GB HD/2-GB RAM, 2 x 160-GB HD
Duplex	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)
Duplex Capacity/Paper Sizes	Unlimited/A5 to/A3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3+	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 to304.8 x 457.2
Document Feeder	Std RADF	Opt DSPF	Std DSPF*	Std DSPF*	Std DSPF	Std DSPF	Std RADF	Std RADF	Std DSPF	Std DSPF
Doc Feeder Speed/Capacity	71 opm/100 orig	85 opm color, 120 opm black/300 orig	55 opm color, 80 opm black/150 orig	55 opm color, 80 opm black/150 orig	75 opm/150 orig	100 opm/250 orig	75 opm/100 orig	78 opm/100 orig	75 opm/150 orig	70 opm color, 100 opm black/270 orig
Paper Weights	35 to 209 gsm	38 to 220 gsm	64 to 128 gsm	64 to 128 gsm	38 to 157 gsm	38 to 200 gsm	50 to 200 gsm	35 to 210 gsm	Info not avail	35 to 220 gsm
Sorter (Bins/Capacity)	None	None	None	None	None	None	None	None	None	None
Staple Sorter	None	None	None	None	None	None	None	None	None	Not applicable
Bins/Stapling Capacity	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Stapling Positions	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Finisher	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finisher
Tray/Stapling/Position(s)	4,000, 4,000, 4,000/50, 50, 100/4, 4, 4	4,000/50/3	2,250, 3,250, 3,500/50, 50, 100/4	2,250, 3,250, 3,500/50, 50, 100/4	3,500, 2,000, 3,500, 2,500/50, 50, 100, 100/4, 4, 6, 6	3,500, 2,000, 3,500, 2,500/50, 50, 100, 100/4, 4, 6, 6	3,200, 3,200, 2,700/50, 100, 50/8	3,100, 3,200/100, 50/3	50, 100, 2,000/50, 100, 50/3	4,000/65/3
Other	Electronic sorting; opt multi-staple finisher has two trays (2,000/2,000); opt saddle-stitch 50-sheet stapling finisher has two trays (2,000/2,000), V folds and saddle-stitches up to 15 sheets (60-page booklets); opt saddle-stitch 100-sheet stapling finisher has two trays (2,000/2,000), V folds and saddle- stitches up to 15 sheets (60-page booklets); opt hole punch unit; opt post sheet inserter holds 100 sheets; opt 4,000-sheet LCT handles letter/A4-sized paper; std 2,500-sheet tandem large capacity feeder has two 1,250-sheet trays and handles letter/A4-sized paper	Optional finishers have three trays (250/1,300/2,450); optional saddle-stitch finisher has V folding and saddle stitches up to 16 sheets (64 pages); optional punch unit for either finisher; optional document insertion unit holds 100 sheets; optional document insertion/folding unit holds 100 sheets and supports C and Z folding; two 3,500-sheet paper options available - A4/letter-size only and letter/A4 to ledger/A3	Opt 4,000-sht LCT; opt 100-sht stapling finisher has two trays (500, 3,000); opt 50-sht stapling finisher (250, 3,000); opt 2,000-sheet booklet finisher (250, 2,000); opt mult-folding unit option for 100-sht stapling finisher and booklet finisher handles six folding patterns including 2-folding, Z-folding, 3-folding (in and out) and 4-folding (gate and double parallel); opt cover interposer, 2-/3-hole punch and jogger unit; opt 9-bin mailbox for 50-sheet stapling finisher and booklet finisher; professional booklet maker saddle-stitches up to 30 sheets and produces 120-page booklets	Opt 4,000-sht LCT; opt 100-sht stapling finisher has two trays (500, 3,000); opt 50-sht stapling finisher (250, 3,000); opt 2,000-sheet booklet finisher (250, 2,000); opt mult-folding unit option for 100-sht stapling finisher and booklet finisher handles six folding patterns including 2-folding, Z-folding, 3-folding (in and out) and 4-folding (gate and double parallel); opt cover interposer, 2-/3-hole punch and jogger unit; opt 9-bin mailbox for 50-sheet stapling finisher and booklet finisher; professional booklet maker saddle-stitches up to 30 sheets and produces 120-page booklets	Standard DSPF (duplex single pass feeder) features dual scan heads and is able to simultaneously scan both sides of a two-sided document; optional C finisher has two trays (3,000/500) and includes two-/four-hole punch; optional C finisher with booklet maker has two trays (1,500/500), standard two-/four- hole punch, V fold and saddle stitching of up to 15 sheets (60-page booklets); optional staple finisher D2 features two trays (3,000/500), two-/four-hole punch, 200-sheet interposer and provides Z & tri-fold when equipped with the optional D2 folder unit; optional booklet finisher D2 has two trays (2,000/500), two-/four-hole punch, 200-sheet interposer, saddle stitching of up to 15 sheets (60-page booklets) and provides Z & tri-fold when equipped with the optional D2 folder unit; both D2 finishers support paper sizes up to 304.8 mm x 457.2 mm and feature a curl correction button; other options include: high-capacity feeder with one 2,000-sheet tray (A4, 52 to 200 gsm); high-capacity feeder with two 2,000-sheet trays (A4, 52 to 200 gsm) and a 250-sheet bypass tray which handles paper sizes up to 304.8 mm x	Standard DSPF (duplex single pass feeder) features dual scan heads and is able to simultaneously scan both sides of a two-sided document; optional C finisher has two trays (3,000/500) and includes two-/four-hole punch; optional C finisher with booklet maker has two trays (1,500/500), standard two-/four- hole punch, V fold and saddle stitching of up to 15 sheets (60-page booklets); optional staple finisher D2 features two trays (3,000/500), two-/four-hole punch, 200-sheet interposer and provides Z & tri-fold when equipped with the optional D2 folder unit; optional booklet finisher D2 has two trays (2,000/500), two-/four-hole punch, 200-sheet interposer, saddle stitching of up to 15 sheets (60-page booklets) and provides Z & tri-fold when equipped with the optional D2 folder unit; both D2 finishers support paper sizes up to 304.8 mm x 457.2 mm and feature a curl correction button; other options include: high-capacity feeder with one 2,000-sheet tray (A4, 52 to 200 gsm); high-capacity feeder with two 2,000-sheet trays (A4, 52 to 200 gsm) and a 250-sheet bypass tray which handles paper sizes up to 304.8 mm x	Opt FS-525 staple finisher has two trays (3,000/200) and 100-sheet stapling; opt FS-524 staple finisher has two trays (3,000/200) and 50-sheet stapling; opt FS-610 booklet finisher has two trays (2,500/200), staples up to 50 sheets, V folds up to 20 sheets (80 pgs) and trifolds; opt Z-fold/punch kit adds Z folding and 2-/4-hole punch; opt post sheet inserter inserts covers or inserts in a document; opt shift tray; criss-cross sort mode	Opt FS-527 staple finisher has two trays (3,000/200) and 50-sheet stapling; opt FS-526 staple finisher has two trays (3,000/100) and 100-sheet stapling; opt SD-509 saddle stitch kit saddle-stitches up to 15 sheets (60 pages); opt Z-fold/punch kit adds Z folding and hole punch; opt post sheet inserter inserts covers or inserts in a document	Opt 50-sheet stapling finisher has two trays; opt 100-sheet stapling finisher has three exit trays; opt saddle stitch finisher has two trays and V folds up to 15 sheets (60 pages); opt hole punch for finishers; output tray supports up to 250 sheets (face down)	Std duplex single pass feeder simultaneously scans both sides of document; paper handling options include: dual 500-sheet paper drawer, 500-sheet multi-media drawer, dual 1,500-sheet paper drawer, 3,000-sheet large capacity tray (8.5" x 11"/A4); opt 4,000-sheet finisher offers opt 7-bin mailbox (100 sheets per bin), opt hole punch, and opt saddle stitching
SECURITY SPECS										
Network User Authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IP Address Filtering	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes	Yes
MAC Address Filtering	Yes	Yes	Opt	Opt	Info not avail	Info not avail	No	No	Yes	Yes
HDD Overwrite	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Std	Opt	Opt
Max Overwrites	5	3	3	3	Info not avail	Info not avail	7	8	7	3
HDD Encryption	Yes	Yes	Opt	Opt	Yes	Yes	Opt	Std	Opt	Opt
Secure Print	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Encrypted Secure Print	Yes	Yes	Yes	Yes	Yes	Yes	Opt	Std	Yes	Yes
Encrypted PDF Mode (Encrypted Scanning)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPsec	Opt	Opt	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes	Yes
Secure Sockets Layer (SSL)	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes	Yes
SNMPv3	No	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes	Yes
Transport Layer Security	No	Yes	Info not avail	Info not avail	Info not avail	Info not avail	Yes	Yes	Yes	Yes
Other	Std Self-Encrypting HDD Drive; opt Data Overwrite kit is Common Criteria certified; opt e-BRIDGE SmartCard card reader limits unauthorized access to device; DPWS security for encrypted print; IPv6 support	Trusted platform module; mail box password protection; restrictions features (send function and new addresses in address book); SMTP authentication POP authentication before SMTP; HDD format; Adobe LiveCycle Rights Management ES integration; optional security features include removable hard drive, hard drive erase, hard drive encryption and mirroring, encrypted secure print and PDF, document scan lock, IPSec and secure watermark	Kerberos/basic/user code/802.1x wired/authentications; encryptions: address book, auth. password, S/MIME, locked print password;network protocol ON/OFF; mask type for copying/data security for copying; copy data security option	Kerberos/basic/user code/802.1x wired/authentications; encryptions: address book, auth. password, S/MIME, locked print password;network protocol ON/OFF; mask type for copying/data security for copying; copy data security option	Opt data security kit provides data overwrite and encryption; opt secure watermark kit prevents illegal copy and scanning; password encryption of scanned documents	Opt data security kit provides data overwrite and encryption; opt secure watermark kit prevents illegal copy and scanning; password encryption of scanned documents	Opt biometric authentication recognizes finger vein patterns; HDD lock; job erase automatically overwrites hard drive up to three times; HDD sanitizing overwrites data stored on hard drive up to seven times	Opt biometric authentication recognizes finger vein patterns; opt HID proximity cards; S/MIME encryption for safeguarding email exchanges; opt HID proximity card; security standards certified to ISO 15408 EAL3; optional copy guard kit provides password protected copy functionality; HDD lock function adds password protection to the device's hard disk drive; job erase overwrites the HDD up to three times; HDD sanitizing overwrites data store on hard drive up to 8 times	IPV4 and IPV6; IEEE P2600-2008 compliant; DoD (NSTISSP) #11; DoD Directive 8500.2; DoD (DISA); IEEE 802.1x device authentication protocol smartcard / CAC device authentication; protocol filtering; port management; opt Data Security Kit encrypts data up to seven times on hard drive; secure fax release requires user to enter PIN code	Opt card authentication kit; opt data security kit is ISO 15408 Common Criteria certified and provides overwrite and encryption for print, copy and scan; IPv6 support; USB port block; std data sanitation mode can be used to wipe all system memory at the end of a lease
CONTROL PANEL	**keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**
Quantity Selector	1 to 9,999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)
Message Display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Help Key	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes
FEATURES										
Automatic Features	AES, AMS, APS, AS, ATS	AES, AMS, APS, AS, ASO, ATS	AES, AMS, APS, AS, ATS	AES, AMS, APS, AS, ATS	AES, AMS, APS, ATS	AES, AMS, APS, ATS	AES, AMS, APS, AS, ASO, ATS	AES, AMS, APS, AS, ASO, ATS	AES, AMS, APS, ATS	AES, APS, AS, ASO, ATS
Book Copy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Booklet Mode	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Color	No	No	No	No	No	No	No	No	No	No
Copy Control	1,000*	1,000	500	500	Std	Std	1,000	1,000	1,000	1,000
Covers	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Editing	Std	No	Std	Std	No	No	No	No	No	No
Energy-Save	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Erase	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Image Insert	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Image Overlay	No	Std	No	No	No	No	Std	Std	Std	Std
Image Repeat	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Image Rotate	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Interrupt	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Job Build	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Job Programs	12,060	Yes	10	10	No	No	30	30	Yes	Yes
Job Time	Yes	No	Yes	Yes	No	No	Yes	Yes	No	No
Language	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Margin Shift	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Neg/Pos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OHP Interleaving	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Photo Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Poster Mode	No	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes

Spec Comparison Sheet (e-STUDIO656 vs. Competitors)

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*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO656	Canon imageRUNNER ADVANCE 6065	Ricoh Aficio MP 6001	Ricoh Aficio MP 7001	Fuji Xerox DocuCentre-II 6000	Fuji Xerox ApeosPort-II 6000	Konica Minolta bizhub 601	Konica Minolta bizhub 652	Sharp MX-M623N	Kyocera TASKalfa 6500i
Preset R/E	7R, 7E	3R, 3E	7R, 5E	7R, 5E	4R, 3E	4R, 3E	4R, 4E	4R, 4E	4R, 5E	5R, 5E
Program Ahead	10	20	Std	Std	Std	Std	51	Std	48	10
Sheet Insertion	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
Stamping	Std	Std	Std	Std	Std	Std	Opt	Std	Std	Std
Timer	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes
2-in-1	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
XY Zoom	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zoom Range	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (0.1%)	25 to 400 (0.1%)	25 to 400 (1%)	25 to 400 (1%)
Other Features	*1,000 department/10,000 user codes; mirror image; 2-in-1, 4-in-1, 8-in-1; copy to hard drive document storage (e-Filing); date and time display; page numbers; annotation; 12,060 templates in up to 201 groups	Page numbering; copy set numbering; watermarks; print date; frame erase; mixed-size originals; print on tab; merge job blocks; proof job mode; job complete notification; merge job blocks; cascade copy	*DSPF (duplex single pass feeder) has dual scan heads; chapterization; border and center erase; sample copy; user tools; double copy mode; mixed-size originals; page numbering; std document server; opt tandem copy; copying onto tab extension; special paper display; directional magnification; directional size magnification: repeat copy; image shift; combine copy; series copy; clear mode; original counter; copy counter; opt copy connector; document server; pale mode; text mode; generation copy mode; electronic/shift/rotate sort; electronic stack	*DSPF (duplex single pass feeder) has dual scan heads; chapterization; border and center erase; sample copy; user tools; double copy mode; mixed-size originals; page numbering; std document server; opt tandem copy; copying onto tab extension; special paper display; directional magnification; directional size magnification: repeat copy; image shift; combine copy; series copy; clear mode; original counter; copy counter; opt copy connector; document server; pale mode; text mode; generation copy mode; electronic/shift/rotate sort; electronic stack	Chapterization; annotations; watermarks; proof copy; Bates stamping; ID card copy	Chapterization; annotations; watermarks; proof copy; Bates stamping; ID card copy	Distribution number and stamping; center, edge and frame erase; proof copy; tab paper support; mixed-sized originals; face up/face down selectable output; mirror image; proof copy; user programmable zoom ratio	Date, time, page numbering, header/footer, watermark and preregistered stamping an be added to copy output; copy protect adds a hidden text for preventing unauthorized copying; opt copy guard function allows a user to embed pattern in copy protected text; password copying; edge and frame erase; proof copy; tab paper support; mixed-sized originals; mirror image; face up/face down selectable output; user programmable zoom ratio; chapterization; centering; booklet mode automatically arranges images to create a signature; despeckle mode; card shot mode copies two sides of a copy onto one original	Center and edge erase; zoom range 25 to 200% (1%) through document feeder; mirror image; tandem copy; card shot mode; tab paper insertion; proof copy; document filing; mixed-size originals; date, character and page stamping; centering	Electronic sort; prevent bleed through; mirror image; page number; form overlay; Bates stamping; shortcut keys; repeat copy; one touch, hue, auto exposure, sharpness color adjustment; custom box; job box; removable memory box; fax box (with optional fax system); maximum of 60 program ahead jobs via system menu setting
ADDITIONAL INFORMATION										
Dimensions (HxWxD)	1,176 mm x 698 mm x 789 mm	1220 mm x 645 mm x 770 mm	1,165 mm x 690 mm x 790 mm	1,165 mm x 690 mm x 790 mm	1,166 mm x 1491 mm x 815 mm	1,154 mm x 620 mm x 815 mm	1,140 mm x 886 mm x 859 mm	45.5" x 25.6" x 34.6"	683 mm x 728 mm x 1,213 mm	1,053 mm x 685 mm x 801 mm
Weight	203 kg	235 kg	217 kg	217 kg	187 kg	195 kg	224 kg	454.15 lbs	190 kg	183 kg
Power Requirements	220-240 V, 9 A	220-240 V, 10 A	220-240 V, Amps not avail	220-240 V, Amps not avail	220-240 V, 10 A	220-240 V, 10 A	220-240 V, Amps not avail	220-240 V, 10 A	220-240 V, Amps not avail	220-240 V, Amps not avail
Energy Used While Power Off	0.14W	1W	.15W	.14W	Info not avail	Info not avail	0.13W	.012W	Info not avail	< 1W
Energy Used in Power Save Mode	1.66 W	Info not avail	8.3W	8.3W	Info not avail	Info not avail	27W	9.1W	Info not avail	20W
Energy Used in Ready Mode	311W	350W	386.84W	405.84W	Info not avail	Info not avail	296W	210W	Info not avail	< 300W
Energy Used While Copying	1,832W	1410W	1162.2W	1213W	Info not avail	Info not avail	1153W	1240W	Info not avail	< 1210W
Energy Used While Printing	Info not avail	1410W	1162.2W	1213W	Info not avail	Info not avail	Info not avail	1240W	Info not avail	< 1210W
Energy Used While Scanning	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail
Max Power Consumption	1,832W	2200W	1900W	1900W	Info not avail	Info not avail	1800W	2100W	Info not avail	2400W
TEC Value	14.37KWh	6.1KWh	7.3KWh	7.9KWh	Info not avail	Info not avail	Info not avail	6.98KWh	Info not avail	9.364KWh
Dedicated Outlet	Required	Required	Required	Required	Recommended	Recommended	Required	Required	Required	Recommended
Energy Star Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Noise Level	55 dB	79 dB	71 dB	71 dB	Info not avail	Info not avail	67 dB	75 dB	53 dB	75 dB
COMMENTS	None	None	None	None	None	None	None	None	None	None
OPTIONS										
	MP-4004 LCT 4,000 sheets	C1 DSPF	RT43 LCT 4,000 sheets (414519)	RT43 LCT 4,000 sheets (414519)	Bypass tray 250 sheets	Bypass tray 250 sheets	LU-405 LCT 4,000 sheets	LU-204 LCT 2,500 sheets	LCT 3,000 sheets A3 (MX-LCX3N)	PF-770 LCT 3,000 sheets
	MJ-1027 Multi-position Staple Finisher	D1 LCT 3,500 sheets	Type 9001 Paper tray 1,000 sheets 11 x 17 (415017)	Type 9001 Paper tray 1,000 sheets 11 x 17 (415017)	HCF2 HCF 2,000 sheets	HCF2 HCF 2,000 sheets	LU-406 LCT 4,000 sheets A3+	LU-301 LCT 3,000 sheets	LCT 3,500 sheets (MX-LC10)	PF-780 Paper tray 500 sheet multi-media
	MJ-1028 50-sheet Staple Saddle-stitch Finisher	A1 LCT 3,500 sheets	BK5010e Booklet maker Plockmatic (404305)	BK5010e Booklet maker Plockmatic (404305)	HCF 4,000 sheets	HCF 4,000 sheets	FS-525 Finisher	FS-526 Finisher (A11PWY1)	Finisher (MX-FN15)	PF-740 Paper-feed unit 2 x 1,500 sheets
	MJ-1029 100-sheet Staple Saddle-stitch Finisher	B1 Tab feeding attachment kit	SR4050 Finisher 100-sheet stapling (414944)	SR4050 Finisher 100-sheet stapling (414944)	D2 Finisher	D2 Finisher	FS-524 Finisher	FS-527 Finisher (A0HRWY2)	Finisher 100-sheet stapling (MX-FN14)	PF-730 Paper-feed unit 2 x 500 sheets
	KN-1017 Finisher rail	O1 Copy tray	SR4030 Finisher 3,000 sheets (414957)	SR4030 Finisher 3,000 sheets (414957)	C Finisher	C Finisher	FS-610 Finisher booklet	ZU-606 Folding unit Z fold	Finisher booklet (MX-FN16)	DF-790 Finisher 4,000 sheets
	MJ-7001 Post sheet inserter	E1 Finisher	SR4040 Finisher booklet (414950)	SR4040 Finisher booklet (414950)	D2 Finisher booklet	D2 Finisher booklet	ZU-605 Folding unit Z fold and punch unit	JS-602 Job separator tray (A10CWY1)	Post sheet inserter (MX-CF10)	BF-730 Folding unit booklet and tri-fold
	MJ-6003 Punch unit (for MJ-1027/1028/1029)	E1 Finisher booklet	Type FD5000 Folding unit (404183)	Type FD5000 Folding unit (404183)	C Finisher with booklet maker	C Finisher with booklet maker	OT-505 Output tray (A0PUWY1)	JS-603 Job separator tray (A10FWY1)	Punch unit (AR-PN4B)	MT-730 Mailbox
	GM-1260 Printer Kit	L1 Post sheet inserter	Type 3260 Jogger unit (412212)	Type 3260 Jogger unit (412212)	D2 Folding unit	D2 Folding unit	PI-504 Post sheet inserter	OT-503 Output tray (A092WW0)	Punch unit (MX-PN10B)	PH-7C Punch unit
	GM-2270 Printer/Scanner Kit	H1 Post sheet inserter and folding unit	Type 1075 Jogger unit (411206)	Type 1075 Jogger unit (411206)	User interface kit large size	User interface kit large size	PK-505 Punch unit	PI-505 Post sheet inserter (A10AWY1)	Keyboard (MX-KBX2)	(B) Card reader holder
	GM-4250 Scanner Kit	A1 Punch unit	CS391 Mailbox (412191)	CS391 Mailbox (412191)	Fax internet (EL200865)	Fax internet (EL200865)	SF-602 Shift tray	PK-516 Punch unit	Application integration module (MX-AMX1)	DT-730 Document tray
	GS-1020 External interface enabler for open platform	A1 Punch unit 2/4 hole (3705B003AA)	Type 3260 Post sheet inserter (412213)	Type 3260 Post sheet inserter (412213)	Fax option (EL200864)	Fax option (EL200864)	WT-504 Table working (A0PWWY1)	PK-517 Punch unit (A10EW21)	Fax internet (MX-FWX1)	A Fax kit internet
	GD-1250 Fax option	A1 Stapler convenience	Type 1075 Punch unit	Type 1075 Punch unit	Fax server kit (EL200869)	G3 port kit additional (EM100208)	FK-502 Fax option (15B)	PK-517 Punch unit (A10EW01)	Fax option (MX-FXX2)	V Fax option
	GD-1260 Fax second line	A1 Utility tray	Type 3260 Punch unit (412210)	Type 3260 Punch unit (412210)	G3 port kit additional (EM100208)	High-compression image kit	IC-208 Konica Minolta print controller	SD-508 Saddle-stitch kit (A11RWY1)	Scanning PDF compression kit enhanced (MX-EBX3)	V Fax second line
	GS-1010 Meta scan enabler	B1 Control panel touch screen upright	Punch unit GBC StreamPunch III (414387)	Punch unit GBC StreamPunch III (414387)	Printer kit (EL200859)	Interface USB 2.0	EK-703 Interface USB 2.0 host (A0P4WY1)	SD-509 Saddle-stitch kit (A10DWY1)	Stamp unit (AR-SU1)	IB-50 Gigabit Ethernet card
	GN-1060 Adapter wireless network	B1 Integrated interface and stand print controller for J200	Type 9001 Fax option (414945)	Type 9001 Fax option (414945)	Scanner option (EL200866)	256-MB memory (EL200763)	HD-510 60-GB HDD (A0P7WY1)	KH-101 Keyboard holder (A165WY1)	XPS expansion kit (MX-PUX1)	MM-16-128 120-MB fax memory
	GN-2020 Interface Bluetooth	Keyboard	Type E File format converter (414007)	Type E File format converter (414007)	Interface USB 2.0	Adobe PostScript 3	AU-101 Biometric finger vein authentication (A09MWY0)	WT-506 Table working (A0W4WY1)	Bar code (AR-PF1)	CF-4GB 4-GB CompactFlash
	GN-3010 Wireless antenna	F1 Expansion bus	Type 9001 Printer scanner unit (414954)	Type 9001 Printer scanner unit (414954)	256-MB memory (EL200763)	Data security kit (EL200867)	SC-506 HDD encryption (A0PCWY1)	MK-720 Fax mount kit (A0YAWY1)	PostScript 3 (MX-PKX1)	B Card Authentication kit for HID proximity card
	GQ-1040 Harness Kit for Coin Controller	AF1 Fax board second line super G3	Type J VM Java card (404230)	Type J VM Java card (404230)	512-MB memory	Secure watermark kit		FK-502 Fax option (15B)	CAC reader (MX-EC50)	E Data security kit
	GP-1070 Data overwrite kit	AE1 Fax board Super G3 third and fourth line	Type B Gigabit Ethernet board (414204)	Type B Gigabit Ethernet board (414204)	Adobe PostScript 3			SP-501 Fax stamp (4614506)	Data security kit (MX-FR22U)	A Printed document guard kit
	GP-1080 IPSec enabler	A1 Fax kit remote fax	Type J Interface 802.11a/b/g	Type J Interface 802.11a/b/g	Data security kit (EL200867)			SX-600 Adapter wireless network	Accounting module external (MX-AMX3)	KYOCapture Express one device license software
	GS-1007 Unicode Font Enabler	AF1 Fax option	Type 3245 Interface Bluetooth (412866)	Type 3245 Interface Bluetooth (412866)	Secure watermark kit			EK-605 Interface USB device interface plus Bluetooth (A0YCWY3)	Generic vend interface kit (DVENDPS)	KYOCapture Express ten device license software
	KP-2004 SmartCard reader HID/MIFARE	U1 imagePASS print controller	Type A Interface Parallel	Type A Interface Parallel				EK-604 Interface USB host board local	Sharpdesk 1 user license (MX-USX1)	
	KP-2005 SmartCard reader MIFARE	H1 PDF and XPS direct print kit	Type C Slot USB 2.0/SD (414949)	Type C Slot USB 2.0/SD (414949)				AU-102 Biometric authentication new generation (A0X9WY1)	Sharpdesk 10 user license (MX-US10)	
	GQ-1240 Harness kit for coin controller	E1 Universal Send Advanced Feature Set	Type B 32-MB fax memory	Type B 32-MB fax memory				AU-101 Biometric finger vein authentication (A09MWY0)	Sharpdesk 100 user license (MX-USA0)	
	GB-1261 e-BRIDGE Fleet Management System software	H1 Web Access software	Type 9001 Adobe PostScript 3 (415050)	Type 9001 Adobe PostScript 3 (415050)				SC-507 Copy guard kit (A0Y9WY1)	Sharpdesk 5 user license (MX-USX5)	
	GB-1280 e-BRIDGE RE-RITE OCR software	A1 USB device port	Type F Copy Data Security unit (413985)	Type F Copy Data Security unit (413985)				Key counter	Sharpdesk 50 user license (MX-US50)	
		B1 Wireless LAN board	Type H Data Overwrite Security (414002)	Type H Data Overwrite Security (414002)				Key counter mount kit (4623481)		
		D1 250-GB HDD mirroring								
		Type B 512-MB memory								
		A1 80-GB HDD mirroring								
		A1 Multimedia reader writer								
		D1 Bar code								
		AJ1 PCL 6								
		AJ1 PostScript 3								
		Authorized Send Kit V4.1 1 license								
		Authorized Send Kit V4.1 10 licenses								
		Authorized Send Kit V4.1 100 licenses								
		C1 Data erase kit								
		A1 Document scan lock kit								
		D1 Encrypted Secure Print software								
		C2 HDD encryption and mirroring								
		B2 IPSec board								
		AD1 Removable HDD kit								
		B4 Removable HDD kit for imagePASS U1								
		B1 Secure watermark kit								
		C1 Universal Send Digital User Signature								
		K1 Universal Send PDF encryption kit								
		D1 Universal Send Security Feature Set								
		A1 Accessibility handle ADF								
		F1 Braille label kit								
		B1 Remote Operator's Software kit								
		F2 Voice Guidance kit								
		EFI SeeQuence Compose								
		EFI SeeQuence Impose								
		EFI SeeQuence Suite								
SUPPLIES/MAINTENANCE										
	Black drum; Yield: 515,000	Black drum; Yield: 6,000,000	Black drum (B2469510); Yield: 1,200,000	Black drum (B2469510); Yield: 1,200,000	Black drum; Yield: 352,000	Black drum; Yield: 352,000	DR-710 Black drum (02XL); Yield: 500,000	DR-612K Black drum (A0TK0RD); Yield: 285,000	Black drum (AR-620DR); Yield: 300,000	TK-6709 Black toner cartridge; Yield: 70,000
	Black toner cartridge; Yield: 73,900; Coverage: 6%	C-EXV36 Black toner cartridge; Yield: 56,000; Coverage: 5%	Black toner cartridge (885098); Yield: 43,000; Coverage: 5%	Black toner cartridge (885098); Yield: 43,000; Coverage: 5%	Black toner cartridge; Yield: 76,000; Coverage: 6%	Black toner cartridge; Yield: 76,000; Coverage: 6%	TN-710 Black toner cartridge (02XJ); Yield: 55,000; Coverage: 6%	TN-618K Black toner (A0TM132); Yield: 37,500	Black toner cartridge; Yield: 83,000; Coverage: 6%	MK-6705A Maintenance kit (includes drum and developer); Yield: 600,000
	Black developer; Yield: 515,000		Type 24 Black developer (B0649645); Yield: 350,000	Type 24 Black developer (B0649645); Yield: 350,000	Black developer	Black developer	DV-710 Black developer (02XK); Yield: 250,000	DV-612K Black developer (A0TK03D); Yield: 1,140,000	Black developer; Yield: 300,000	MK-6705C Maintenance kit fuser; Yield: 300,000
										WT-861 Waste toner container; Yield: 500,000
MULTIFUNCTION MODES										
Copier	Std	Opt	Std	Std	Std	Std	Std	Std	Std	Std
Internet Fax	Std	Opt	Opt	Opt	Opt	Opt	Opt	Std	Opt	Opt
Network Printer	Opt	Std	Opt	Opt	Opt	Std	Opt	Std	Std	Std

Spec Comparison Sheet (e-STUDIO656 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO656	Canon imageRUNNER ADVANCE 6065	Ricoh Aficio MP 6001	Ricoh Aficio MP 7001	Fuji Xerox DocuCentre-II 6000	Fuji Xerox ApeosPort-II 6000	Konica Minolta bizhub 601	Konica Minolta bizhub 652	Sharp MX-M623N	Kyocera TASKalfa 6500i
Printer	Opt	Std	Opt	Opt	Opt	Std	Opt	Std	Std	Std
Fax	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Network Fax	Std	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
PC Fax	Std	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Scanner	Opt	Opt	Opt	Opt	Opt	Std	Std	Std	Std	Std
CONNECTVITY SPECIFICATIONS										
Operating System Support	Win XP, Server 2003, Vista, Server 2008, 7, Mac OS X, Linux, UNIX, CUPS	Win 2000, XP, Server 2003, Vista, Server 2008, 7, Mac OS X10.4.9+	Win 2000, XP, Server 2003, Vista, Server 2008, Mac OS 8.6 - 9.2x, OS X v10.1 or 10.4.x, 10.5x+, Netware 3.2 - 6.5, Sun Solaris 2.6/7/8/9/10, HP-UX, SCO OpenServer, RedHat Linux, IBM AIX	Win 2000, XP, Server 2003, Vista, Server 2008, Mac OS 8.6 - 9.2x, OS X v10.1 or 10.4.x, 10.5x+, Netware 3.2 - 6.5, Sun Solaris 2.6/7/8/9/10, HP-UX, SCO OpenServer, RedHat Linux, IBM AIX	Win 2000, XP, Server 2003, Vista, Mac 8.6-10.4.9	Win 2000, XP, Server 2003, Vista, Mac 8.6-10.4.9	Win 2000, XP, Server 2003, Vista, Mac OS 9.x, 10.x, Citrix, Linux, UNIX	Win 2000, XP, Server 2003,Vista, Server 2008, 7, Mac OS 9.x, 10.x, Citrix, Linux, UNIX	Win 2000, XP, Server 2003, Vista, Server 2008, 7, Mac OS 9.2.2, OS X 10.2.8, 10.3.9, 10.4.11, 10.5-10.5.8, 10.6-10.6.2, Novell Netware 3x to 6x , Citrix (Metaframe, Presentation Server 4, 4.5), Linux, SAP, Sun OS 4.1x, Solaris 2x, UNIX and Windows Terminal Services	Win 2000, XP, Server 2003, Vista, Server 2008, 7; Mac OS 10.x, Sun OS 4.1.x, Solaris 2.x, AIX, HP-UX (LPR), Novel NetWare 3.x-6.x
Parallel Interface	Opt	None	Opt	Opt	None	None	None	None	None	None
PC Fax/Print/Scan	No/Yes/Yes	Not applicable	Yes/Yes/Yes	Yes/Yes/Yes	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Serial Interface	None	None	None	None	None	None	None	None	None	None
PC Fax/Print/Scan	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
USB Interface	Std 2.0, std (host)	Std 2.0	Std 2.0, opt (host)	Std 2.0, opt (host)	Opt 2.0	Opt 2.0	Opt 2.0, std 2.0 (host)	Std 2.0, std 1.1 (host)	Std 2.0, std 2.0 (host)	Std 2.0, std 2.0 (host)
PC Fax/Print/Scan	No/Yes/No	No/Yes/No	Yes/Yes/Yes	Yes/Yes/Yes	Info not avail/Yes/No	Info not avail/Yes/No	Yes/Yes/No	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Network Interface	Std Ethernet, opt wireless	Std Ethernet, opt wireless	Std Ethernet, opt wireless	Std Ethernet, opt wireless	Std Ethernet	Std Ethernet	Std Ethernet	Std Ethernet	Std Ethernet	Std Ethernet
Interface Type	10/100/1000BaseT, 802.11g, Bluetooth	10/100/1000BaseTX, 802.11b/g	10/100BaseTX, 802.11a/b/g, Bluetooth	10/100BaseTX, 802.11a/b/g, Bluetooth	10/100BaseTX	10/100BaseTX	10/100/1000BaseTX	10/100/1000BaseTX	10/100/1000 BaseT	10/100/1000BaseTX
LAN Fax/Print/Scan	Yes/Yes/Yes	No/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Info not avail/Yes/Yes	Info not avail/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Networks Supported										
NetWare	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows NT	Yes	Yes	No	No	No	No	Yes	Yes	Yes	Yes
AppleTalk	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes	Yes
UNIX	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes
AS/400	Yes	No	Yes	No	Yes	No	Opt	Yes	Yes	Yes
Other	Linux, Citrix Metaframe		IPv4; IPv6; IPX/SPX; SMB	IPv4; IPv6; IPX/SPX; SMB	TCP/IP, EtherTalk, NetBEUI, Bonjour	TCP/IP, EtherTalk, NetBEUI, Bonjour		Linux	None	
FACSIMILE SPECIFICATIONS										
Scanner Technology	CCD	CCD	CCD	CCD	CIS	CIS	CCD	CCD	CCD	CCD
Compression Method	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG
Modem Speed	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps
Max TX Resolution	400 x 400 lpi	600 x 600 dpi	400 x 400 dpi	400 x 400 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	400 x 400 dpi	600 x 600 dpi
Gray Scale/Halftones	256 levels	256 levels	256 levels	256 levels	Info not avail	Info not avail	256 levels	256 levels	256 levels	Info not avail
Std/Max Fax Memory	Shared	Shared	Shared	Shared	Info not avail	Info not avail	32-MB RAM/32-MB RAM	Shared	8-MB RAM/8-MB RAM	12-MB RAM/120-MB RAM
Min/Max Orig Size (WxL)	A5/A3	A5/A3	A5/A3	A5/A3	A5/A3	A5/A3	A5/A3	5-1/2 x 8-1/2/11 x 17	A5/A4	A5/A3
Max Paper/Print Width	279/279	279/279	279/279	279/279	279/279	279/279	279/279	11/11	216/216	279/Info not avail
Effective Scanning Width	279	279	279	279	279	279	279	11	216	Info not avail
Correct-Order Output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Info not avail
Batch Files	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes	Info not avail
Battery Backup	Yes	Yes	1 hr	1 hr	Yes	Yes	Yes	Yes	Yes	Info not avail
Confid TX/RX	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/ves	Yes/ves	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes
Dual Lines	No	Std	Opt**	Opt**	Opt	Opt	Opt	Opt	No	Opt
Multi Access	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes	Yes
Polling	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Relay Request	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Smoothing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Timers	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transfer Hub	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes	Info not avail
DIALING CAPABILITIES										
Broadcasting (Groups/Dest)	200/400	Info not avail	100/500	100/500	Info not avail	Info not avail	100/500	100/605	500/500	Info not avail/500
Redial (Attempts/Intervals)	14/Programmable	Info not avail	5/5 min	5/5 min	Info not avail	Info not avail	Programmable	7/1 to 15 min	Programmable	Info not avail
One Touch	None	Info not avail	None	None	70	70	1,000	None	999	100
Speed Dial	12,060		/2,000	/2,000	/500	/500	1,000	2,000	999	50
Other	1 GB (HDD) transmission/F code & reception memory, 80-GB HD backup memory; delayed transmission; incoming fax routing to shared folder, e-mail or e-Filing	Job forwarding; different-size original; erase frame; job build; delayed send; review; job done notice; two-sized original mode; book to two page mode; up to four fax lines can be added; 50 confidential fax inboxes (mailboxes)	**Up to 3 lines; fax forwarding; automatic email notification; direct fax number entry; page counter; auto reduction; wild cards; ID code programming; user function keys; LCD prompt; remaining memory indicator; clock adjustment; user parameter setting; user data transfer; send later; book fax; closed network transmission; reception mode switching; auto answer delay time (SP mode); busy tone detection; manual reception; substitute reception; authorized reception; multi-copy; closed network reception; reception time printing; center mark; opt. duplex reception; monitor speaker; on-hook dial; tone transmission; pause; pulse/tone selection; chain dialing; reception mode selection	**Up to 3 lines; fax forwarding; automatic email notification; direct fax number entry; page counter; auto reduction; wild cards; ID code programming; user function keys; LCD prompt; remaining memory indicator; clock adjustment; user parameter setting; user data transfer; send later; book fax; closed network transmission; reception mode switching; auto answer delay time (SP mode); busy tone detection; manual reception; substitute reception; authorized reception; multi-copy; closed network reception; reception time printing; center mark; opt. duplex reception; monitor speaker; on-hook dial; tone transmission; pause; pulse/tone selection; chain dialing; reception mode selection	Opt Internet fax kit	Opt Internet fax kit	2,000 one touch dials with optional hard disk; supports IP address faxing and PC faxing; transmission speed of 2.4 seconds per page; border erase transmission; duplex transmission and reception; rotate transmission; TSI user box and user box routing	Supports IP address faxing and PC faxing; auto reduction printing; bulletin board; duplex transmission; image rotation and reception; mailbox transmission and reception; relay broadcasting; relay transmission; timer transmission; three seconds per page transmission speed	Inbound routing to email; quick on-line tx; direct tx; F-code tx/rx; rotate tx; anti-junk fax reception; auto staple received files; secure fax release; out of paper memory rx; auto redial; 2-in-1 rx; duplex rx; activity reports and PC fax	Duplex TX/RX; F-code TX/RX; fax box; opt internet fax and opt second fax line
PRINTER SPECIFICATIONS										
Engine Mfr & Model	Toshiba/e-STUDIO656	Canon/imageRUNNER 6065	Ricoh/Aficio MP 6001	Ricoh/Aficio MP 7001	Fuji Xerox/DocuCentre-II 6000	Fuji Xerox/ApeosPort-II 6000	Konica Minolta/bizhub 601	Konica Minolta/bizhub 652	Sharp/MX-M623N	Kyocera/TASKalfa 6500i
Compatibility	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac
Speed	65 ppm	65 ppm	60 ppm	70 ppm	65 ppm	65 ppm	60 ppm	65 ppm	62 ppm	65 ppm
Max Print Area	A3	Info not avail	A3	A3	Info not avail	Info not avail	310 x 459	A3	Info not avail	Info not avail
Enhanced Resolution	2400 x 600 dpi	Not applicable	Not applicable	Not applicable	1200 x 1200 dpi	1200 x 1200 dpi	2,400 x 600 dpi	1,800 x 600 dpi	1200 x 1200 dpi	Not applicable
Unenhanced Resolution	600 x 600 dpi	1200 x 1200 dpi	1200 x 1200 dpi	1200 x 1200 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
Std/Max Printer Memory	Shared	Shared	Shared	Shared	Shared	Shared	Shared	Shared	1-GB RAM/2-GB RAM	Shared
Controller Mfr/Model	Toshiba/e-BRIDGE X (eBX)	Canon/Info not avail	Ricoh/Info not avail	Ricoh/Info not avail	Fuji Xerox/Info not avail	Fuji Xerox/Info not avail	Konica Minolta/iC-208	Konica Minolta/Emperon	Freescale/Power QUICCIII	Kyocera/Info not avail
Processor/Bits/MHz	PowerPC 440/Info not avail/833	Custom dual processors/Info not avail/Info not avail	Celeron/Info not avail/1.0 GHz	Celeron/Info not avail/1.0 GHz	Power PC e300/Info not avail/667	Power PC e300/Info not avail/667	Celeron-M32/1 GHz	Freescale MPC8533/64/1 GHz	MPC8533E/Info not avail/800	PowerPC 750CL/Info not avail/800
PDL/PCL	PCL 6, PostScript 3, XPS	UFRII, opt PCL 5e/6, opt Adobe PostScript	PCL 5e/6, RPCS, opt Adobe PostScript 3/ PDF, IPDS	PCL 5e/6, RPCS, opt Adobe PostScript 3/ PDF, IPDS	PCL 5e/6, opt Adobe PostScript 3	PCL 5e/6, opt Adobe PostScript 3	PCL 5e/6, PostScript 3	PCL 5e/6, PostScript 3, XPS	PCL 5e/6, opt PostScript 3, opt XPS	PCL 6, PostScript 3, PRESCRIBE, XPS
Controller Mfr/Model	Not applicable	EFI/imagePASS-U1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Core Duo T2500/Info not avail/2 GHz	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	PCL 5e/6, Adobe PostScript 3	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Controller Mfr/Model	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Other	Secure print; proof print; scheduled print; watermarks; tab printing; print to e-Filing; direct print from USB flash drive via host USB port on front of device; 80 PCL, 136 PS fonts	Optional direct print kit for PDF/XPS printing; print to USB (requires PostScript); std/max memory for imagePASS U1 print controller is 2-GB RAM, 80-GB HD	Sample/locked/hold/stored/store and print/PDF direct print; mail to print; classification code; Bonjour support; Windows Active Director/DDNS support; PCL resident font adoption; 1200 dpi support; mobile driver; XPS support; WS-printer; imposition settings; creep adjustment; crop mark	Sample/locked/hold/stored/store and print/PDF direct print; mail to print; classification code; Bonjour support; Windows Active Director/DDNS support; PCL resident font adoption; 1200 dpi support; mobile driver; XPS support; WS-printer; imposition settings; creep adjustment; crop mark	Sample print; delay print; direct TIFF/PDF printing; fonts: PCL 82, PostScript 136	Sample print; delay print; direct TIFF/PDF printing; fonts: PCL 82, PostScript 136	PDF, TIFF, encrypted PDF direct printing; native XPS support	PDF, TIFF, encrypted PDF, TIFF direct printing; 80 PCL and 137 PostScript 3 fonts; overlay mode; watermarks; MyTab allows users to set up customized print settings for quick recall; up to 1,000 user boxes can be created for document storage (maximum 3,000 documents); banner printing of up to 11-3/4" x 47-1/4"/297 mm x 1200 mm	Continuous printing; booklet printing; N-up; different cover page/last page; transparency inserts; tab printing; carbon print mode; fit to page; mirror image; poster mode; margin shift; watermarks; confidential print; confidential batch print; print hold; proof print; bypass printing; job priority printing; print job control; direct printing from USB memory, FTP, web page & email; file types: TIFF, JPEG, PCL, PRN, TXT, PDF, encrypted PDF, PostScript and XPS; opt XPS expansion kit requires 1-GB memory upgrade	Fonts: 93 PCL 6, 136 PostScript, 8 Win Vista, 1 bitmap; direct print from USB; utilities include PRESCRIBE, PDF Direct Print, KMnet Admin, KMnet Viewer, Kyocera Command Center RX; supports banner printing up to 12" x 47"/304.8 mm x 1,219.2 mm
SCANNER AND IMAGE MANAGEMENT SPECIFICATIONS										
Connection Type	Network	Network	Network	Network	Network	Network	Network	Network	Network	Network, USB
Technology/Speed	CCD/77 ipm color, 80 ipm black	CCD/85 ipm color, 120 ipm black	CCD/55 ipm color, 80 ipm black	CCD/55 ipm color, 80 ipm black	CIS/75 ipm	CIS/50 ipm color, 100 ipm black	CCD/75 ipm	CCD/78 ipm color, 78 ipm black	CCD/75 ipm	CCD/70 ipm color, 100 ipm black
Max Resolution	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
TWAIN Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan Destinations										
E-mail	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
I-fax	Yes	Yes	Yes	Yes	INA	INA	Yes	Yes	Yes	Yes
FTP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HDD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
URL	No	Yes	Yes	Yes	INA	INA	Yes	Yes	Yes	INA
LDAP Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan/Image Software	Opt third-party software	Std Color Network ScanGear	Info not avail	Info not avail	Opt CentreWare Internet Services software	Opt CentreWare Internet Services software	Opt PageScope Workware	Opt Nuance Unity	Std ImageSend, std Sharpdesk	Info not avail

Spec Comparison Sheet (e-STUDIO656 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO656	Canon imageRUNNER ADVANCE 6065	Ricoh Aficio MP 6001	Ricoh Aficio MP 7001	Fuji Xerox DocuCentre-II 6000	Fuji Xerox ApeosPort-II 6000	Konica Minolta bizhub 601	Konica Minolta bizhub 652	Sharp MX-M623N	Kyocera TASKalfa 6500i
OCR Software	Opt e-BRIDGE RE-RITE	Info not avail	Info not avail	Info not avail	Opt CentreWare Internet Services software	Opt CentreWare Internet Services software	Opt PageScope Workware	Opt Konica Minolta i-Option LK-103, opt Nuance Unity, opt Prism DeskRecord/DocRecord	Std ImageSend, std Sharpdesk	Opt KYOcapture Express
File Mgmt Software	Std e-Filing, opt third-party software	Info not avail	DeskTopBinder Lite	DeskTopBinder Lite	Opt CentreWare Internet Services software	Opt CentreWare Internet Services software	Opt PageScope Workware	Opt Prism DeskRecord/DocRecord	Std ImageSend, std Sharpdesk	Opt DMS link
Other	Scan to file (HDD or network folder); scan to USB flash drive; e-Filing; supports SMTP authentication; supports XPS, TIFF, PDF, DOC, XLS, RTF, TXT file formats; Web Service Scan; opt advanced scanning kit (RE-RITE) provides scan to MS Word, MS Excel and Searchable PDF	Color scanning; file formats supported include TIFF, JPEG, PDF, XPS, high compression PDF/XPS, PDF/A-1b, optimized PDF for web; scan to USB; 1,800 address book locations	Full color scanner; scan to USB/SD card; scan to PDF, TIFF & JPEG; scan-to-folder (SMB, FTP, NCP); LDAP support; 2,000 e-mail storage, 500 max destinations per job	Full color scanner; scan to USB/SD card; scan to PDF, TIFF & JPEG; scan-to-folder (SMB, FTP, NCP); LDAP support; 2,000 e-mail storage, 500 max destinations per job	Printer kit must be installed in order to add scanner kit; supports TIFF, DocuWorks document and PDF file formats	50 ipm color, 100 ipm black single-sided; external web access via opt external access kit; access control can be restricted and users authenticated using network login credentials; supports TIFF, DocuWorks document, PDF, JPEG file formats as well as high-compression DocuWorks and PDF files when the opt high-compression image kit is installed	File formats include PDF, encrypted PDF, XPS and TIFF files types; scan to USB, WebDAV and hard drive (user box); supports up to five LDAP servers; users can view thumbnail previews of scanned documents	Color scanning; file formats include TIFF, PDF, compact PDF, JPEG, XPS and compact XPS; scan to WebDAV, DPWS and USB; users can view thumbnail previews of scanned documents	Color, monochrome and grayscale scan modes; scan to USB; monochrome file formats: TIFF, PDF, encrypted PDF, XPS; color file formats: TIFF, JPG, PDF, encrypted PDF, compact PDF, XPS	Color scanning; scan to USB; WSD scan, supports TIFF, JPEG, PDF, PDF/A, XPS file formats; scan speeds are when using the document feeder and are based on letter/A4 at 300 dpi resolution
COMMENTS										
	One-touch template feature allows users to store personalized settings or workflows (12,060 templates available); remaining paper volume indicator; toner recycling system; e-Filing features one public box & 200 private boxes; user can create 100 folders per private box & store up to 400 documents per folder (1,000 pages per document); TopAccess File Downloader & Document Mgmt utilities included; opt e-BRIDGE Viewer; opt e-BRIDGE Fleet Management software, direct print from/scan to USB flash drives; 8-bit depth; RoHS and Blue Angel compliant; supports Toshiba's Open Platform architecture	Utilizes Canon's Precision Output (pO) toner and twin-sleeve technology that aids in reproducing detailed originals, ensures ultra smooth gradations and even distribution of toner on the page. Supports MEAP technology	Features large WVGA color touch screen; available software include SmartDeviceMonitor for Admin/Client, Web SmartDeviceMonitor, Web Image Monitor, DeskTopBinder Lite, TWAIN driver, printer utility for Macintosh; security features include user authentication; Unauthorized Copy Control embeds a message on document that appears on copied document; opt DataOverwrite security system; copy data security unit; compatible with Ricoh's Embedded Software Architecture; document management tools: opt Remote Intelligent Management System reports meter usage data automatically and securely; DocumentMall enables users to securely store, edit, share and retrieve documents and files from PCs via the Internet and scan documents into a secure folder; four beam laser system; environmental features include toner recycling, low noise levels, minimal ozone emissions, RoHS compliant	Features large WVGA color touch screen; available software include SmartDeviceMonitor for Admin/Client, Web SmartDeviceMonitor, Web Image Monitor, DeskTopBinder Lite, TWAIN driver, printer utility for Macintosh; security features include user authentication; Unauthorized Copy Control embeds a message on document that appears on copied document; opt DataOverwrite security system; copy data security unit; compatible with Ricoh's Embedded Software Architecture; document management tools: opt Remote Intelligent Management System reports meter usage data automatically and securely; DocumentMall enables users to securely store, edit, share and retrieve documents and files from PCs via the Internet and scan documents into a secure folder; four beam laser system; environmental features include toner recycling, low noise levels, minimal ozone emissions, RoHS compliant	The std mid-size colour web UI touch screen control panel can be upgraded with an opt full-size colour web UI touch screen control panel	The std mid-size colour web UI touch screen control panel can be upgraded with an opt full-size colour web UI touch screen control panel	Utilizes Open Platform control system; opt audit and image log tracks usage and controls access on network; print from USB memory w/opt hard drive; bizhub Extended Solution Technology (bEST) allows for integration of third-party software	Utilizes Open Platform control system; bizhub Extended Solution Technology (bEST) allows for integration of third-party software; CS Remote Care monitors and transmits consumable data and any technical problems to the service organization; mobile printing via Bluetooth; full bleed 11 x 17/A3 output	Sharp's third generation OSA platform allows users to interact with network applications directly from the 8.5" (measured diagonally) high resolution color touch screen featuring graphical menu navigation; remote front panel allows administrators and support personnel to view and contol the LCD panel of the machine remotely from any PC on the network; std Application Communication Module lets remote applications create, configure and execute scanning and printing jobs; supports Intelligent Device Management (IDVM) with PAU5 (Printer Administration Utility); home page on LCD panel offers easy menu customization; features optional retractable keyboard, front panel USB port and new contemporary grain design; users can preview documents from 38-GB document filing system utilizing thumbnail mode image preview; firmware upgrades via USB flash ROMs or network updates via PAU; opt Ipsec support allows integration to higher security IT environments & SSL support provides encryption for confidential information to be securely communicated over the Internet; security offerings meet regulatory requirements such as the Health Insurance Portability and	HyPAS (Hybrid Platform for Advanced Solutions)

Spec Comparison Sheet (e-STUDIO756 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO756	Canon imageRUNNER ADVANCE 6075	Ricoh Aficio MP 7001	Ricoh Aficio MP 8001	Fuji Xerox DocuCentre-II 7000	Fuji Xerox ApeosPort-II 7000	Konica Minolta bizhub 751	Sharp MX-M753N	Kyocera TASKalfa 8000i
BACKGROUND INFORMATION		**17650/AUS**	**16947/AUS**	**16948/AUS**	**15515/AUS**	**15514/AUS**	**16452/AUS**	**17603/AUS**	**18064/AUS**
Dataquest Segment	5	5	5	5	5	5	5	5	5
SRP/Street Price	$ not avail/None	$ not avail/None	$ not avail/None	$ not avail/None	$ not avail/$ not avail	$ not avail/$ not avail	$ not avail/None	$ not avail/None	$ not avail/None
Manufacturing Status	New	New	New	New	New	New	New	New	New
Domestic Intro Date	After Feb 2012	September 2010	June 2009	June 2009	October 2007	October 2007	July 2009	Info not avail	June 2011
OEM	Toshiba (China)	Canon (Japan)	Ricoh (China)	Ricoh (China)	Fuji Xerox Co., Ltd. (China)	Fuji Xerox Co., Ltd. (China)	Konica Minolta Business (China/Japan)	Sharp SIICA (China/Japan)	Kyocera (China)
Also Sold As	Info not avail	None	Info not avail	Info not avail	Info not avail	Info not avail	Develop ineo 751; Oce VarioLink 7522	None	None
Distributed By	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail
Max Monthly Duty Cycle	575,000 impressions	Info not avail	300,000 impressions	300,000 impressions	350,000 impressions	350,000 impressions	Info not avail	Info not avail	450,000 impressions
TYPE	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**
Configuration/Scanner	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,digital	Console,Digital
Toner	Dry, dual component	Dry, monocomponent	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component	Dry, dual component
GENERAL SPECIFICATIONS/PAPER HANDLING									
First Copy Time	3.5 sec	3.1 sec	3.5 sec	3.5 sec	3 sec	3 sec	2.9 sec	3.5 sec	4.7 sec
Multicopy (A4/A3)	75/40 cpm	75/37 cpm	70 cpm/Info not avail	80 cpm/Info not avail	75/37 cpm	75/37 cpm	75/43 cpm	75 cpm/Info not avail	80/40 cpm
Warm-up Time	130 sec	38 sec	30 sec	60 sec	30 sec	30 sec	5 min	30 sec	30 sec
Std Paper Source(s)	Triple drawer	Dual drawer, dual tray	Triple drawer	Triple drawer	Four drawer	Four drawer	Four drawer	Triple drawer	Dual drawer, dual tray
Std Paper Capacity	500/500/2,500 sheets	550/550/1,500/1,500 sheets	1,550/1,550/550/550 sheets	1,550/1,550/550/550 sheets	500/500/1,490/1,860 sheets	500/500/1,490/1,860 sheets	1,500/1,000/500/500 sheets	2,000/500/500 sheets	500/500/1,500/1500 sheets
Paper Weights	64 to 209 gsm	52 to 220 gsm	53 to 128 gsm	53 to 128 gsm	52 to 200 gsm	52 to 200 gsm	60 to 200 gsm	60 to 209 gsm	60 to 256 gsm
Bypass/Paper Weights	100-sheet/64 to 209 gsm	100-sheet/52 to 256 gsm	100-sheet/53 to 216 gsm	100-sheet/53 to 216 gsm	Std 100-sheet, opt 250-sheet/52 to 280 gsm	Std 100-sheet, opt 250-sheet/52 to 280 gsm	100-sheet/50 to 200 gsm	100-sheet/60 to 209 gsm	150-sheet/60 to 300 gsm
Max Paper Sources	5	6	5	5	7	7	6	5	8
Max Paper Capacity	7,600 sheets	7,700 sheets	8,300 sheets	8,300 sheets	8,600 sheets	8,600 sheets	7,600 sheets	6,600 sheets	7,650 sheets
Max Original Size	A3	A3	A3	A3	A3	A3	A3	A3	A3
Output Size (Min/Max)	A5/A3	A5/A3	A5/A3	A5/A3	100 x 148/A3	100 x 148/A3	A6/A3+	A5/A3+	A5/304.8 x 457.2
Copy Resolution	2400 x 600 dpi	1200 x 1200 dpi	1200 x 1200 dpi	1200 x 1200 dpi	2400 x 2400 dpi	2400 x 2400 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
System Memory (Std/Max)	1-GB RAM, 80-GB HD/1-GB RAM, 80-GB HD	1.5-GB RAM, 80-GB HD/2-GB RAM, 250-GB HD	512-MB RAM, 160-GB HD/1.5-GB RAM, 160-GB HD	512-MB RAM, 160-GB HD/1.5-GB RAM, 160-GB HD	256-MB RAM, 40-GB HD/768-MB RAM, 40-GB HD	512-MB RAM, 40-GB HD/768-MB RAM, 40-GB HD	1-GB RAM/1-GB RAM, 60-GB HD	512-MB RAM, 80-GB HD/512-MB RAM, 80-GB HD	2-GB RAM, 2 x 160-GB HD/2-GB RAM, 2 x 160-GB HD
Duplex	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)
Duplex Capacity/Paper Sizes	Unlimited/A5 to/A3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3+	Unlimited/A5 toA3	Unlimited/A5 to304.8 x 457.2
Document Feeder	Std RADF	Opt DSPF	Std DSPF*	Std DSPF*	Std DSPF	Std DSPF	Std RADF	Std DSPF	Std DSPF
Doc Feeder Speed/Capacity	71 opm/100 orig	85 opm color, 120 opm black/300 orig	55 opm color, 80 opm black/150 orig	55 opm color, 80 opm black/150 orig	75 opm/150 orig	100 opm/250 orig	75 opm/100 orig	75 opm/150 orig	70 opm color, 100 opm black/270 orig
Paper Weights	35 to 209 gsm	38 to 220 gsm	64 to 128 gsm	64 to 128 gsm	38 to 157 gsm	38 to 200 gsm	50 to 200 gsm	Info not avail	35 to 220 gsm
Sorter (Bins/Capacity)	None	None	None	None	None	None	None	None	None
Staple Sorter	None	None	None	None	None	None	None	None	Not applicable
Bins/Stapling Capacity	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Stapling Positions	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Finisher	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finisher
Tray/Stapling/Position(s)	4,000, 4,000, 4,000/50, 50, 100/4, 4, 4	4,000/50/3	2,250, 3,250, 3,500/50, 50, 100/4	2,250, 3,250, 3,500/50, 50, 100/4	3,500, 2,000, 3,500, 2,500/50, 50, 100, 100/4, 4, 6, 6	3,500, 2,000, 3,500, 2,500/50, 50, 100, 100/4, 4, 6, 6	3,200, 3,200, 2,700/50, 100, 50/8	50, 100, 2,000/50, 100, 50/3	4,000/65/3
Other	Electronic sorting; opt multi-staple finisher has two trays (2,000/2,000); opt saddle-stitch 50-sheet stapling finisher has two trays (2,000/2,000), V folds and saddle-stitches up to 15 sheets (60-page booklets); opt saddle-stitch 100-sheet stapling finisher has two trays (2,000/2,000), V folds and saddle- stitches up to 15 sheets (60-page booklets); opt hole punch unit; opt post sheet inserter holds 100 sheets; opt 4,000-sheet LCT handles letter/A4-sized paper; std 2,500-sheet tandem large capacity feeder has two 1,250-sheet trays and handles letter/A4-sized paper	Optional finishers have three trays (250/1,300/2,450); optional saddle-stitch finisher has V folding and saddle stitches up to 16 sheets (64 pages); optional punch unit for either finisher; optional document insertion unit holds 100 sheets; optional document insertion/folding unit holds 100 sheets and supports C and Z folding; two 3,500-sheet paper options available - A4/letter-size only and letter/A4 to ledger/A3	Opt 4,000-sht LCT; opt 100-sht stapling finisher has two trays (500, 3,000); opt 50-sht stapling finisher (250, 3,000); opt 2,000-sheet booklet finisher (250, 2,000); opt multi-folding unit option for 100-sht stapling finisher and booklet finisher handles six folding patterns including 2-folding, Z-folding, 3-folding (in and out) and 4-folding (gate and double parallel); opt cover interposer, 2-/3-hole punch and jogger unit; opt 9-bin mailbox for 50-sheet stapling finisher and booklet finisher; professional booklet maker saddle-stitches up to 30 sheets and produces 120-page booklets	Opt 4,000-sht LCT; opt 100-sht stapling finisher has two trays (500, 3,000); opt 50-sht stapling finisher (250, 3,000); opt 2,000-sheet booklet finisher (250, 2,000); opt multi-folding unit option for 100-sht stapling finisher and booklet finisher handles six folding patterns including 2-folding, Z-folding, 3-folding (in and out) and 4-folding (gate and double parallel); opt cover interposer, 2-/3-hole punch and jogger unit; opt 9-bin mailbox for 50-sheet stapling finisher and booklet finisher; professional booklet maker saddle-stitches up to 30 sheets and produces 120-page booklets	Standard DSPF (duplex single pass feeder) features dual scan heads and is able to simultaneously scan both sides of a two-sided document; optional C finisher has two trays (3,000/500) and includes two-/four-hole punch; optional C finisher with booklet maker has two trays (1,500/500), standard two-/four- hole punch, V fold and saddle stitching of up to 15 sheets (60-page booklets); optional staple finisher D2 features two trays (3,000/500), two-/four-hole punch, 200-sheet interposer and provides Z & tri-fold when equipped with the optional D2 folder unit; optional booklet finisher D2 has two trays (2,000/500), two-/four-hole punch, 200-sheet interposer, saddle stitching of up to 15 sheets (60-page booklets) and provides Z & tri-fold when equipped with the optional D2 folder unit; both D2 finishers support paper sizes up to 304.8 mm x 457.2 mm and feature a curl correction button; other options include: high-capacity feeder with one 2,000-sheet tray (A4, 52 to 200 gsm); high-capacity feeder with two 2,000-sheet trays (A4, 52 to 200 gsm) and a 250-sheet bypass tray which handles paper sizes up to 304.8 mm x	Standard DSPF (duplex single pass feeder) features dual scan heads and is able to simultaneously scan both sides of a two-sided document; optional C finisher has two trays (3,000/500) and includes two-/four-hole punch; optional C finisher with booklet maker has two trays (1,500/500), standard two-/four- hole punch, V fold and saddle stitching of up to 15 sheets (60-page booklets); optional staple finisher D2 features two trays (3,000/500), two-/four-hole punch, 200-sheet interposer and provides Z & tri-fold when equipped with the optional D2 folder unit; optional booklet finisher D2 has two trays (2,000/500), two-/four-hole punch, 200-sheet interposer, saddle stitching of up to 15 sheets (60-page booklets) and provides Z & tri-fold when equipped with the optional D2 folder unit; both D2 finishers support paper sizes up to 304.8 mm x 457.2 mm and feature a curl correction button; other options include: high-capacity feeder with one 2,000-sheet tray (A4, 52 to 200 gsm); high-capacity feeder with two 2,000-sheet trays (A4, 52 to 200 gsm) and a 250-sheet bypass tray which handles paper sizes up to 304.8 mm x	Opt FS-525 staple finisher has two trays (3,000/200) and 100-sheet stapling; opt FS-524 staple finisher has two trays (3,000/200) and 50-sheet stapling; opt FS-610 booklet finisher has two trays (2,500/200), staples up to 50 sheets, V folds up to 20 sheets (80 pgs) and trifolds; opt Z-fold/punch kit adds Z folding and 2-/4-hole punch; opt post sheet inserter inserts covers or inserts in a document; opt shift tray; criss-cross sort mode	Opt 50-sheet stapling finisher has two trays; opt 100-sheet stapling finisher has three exit trays; opt saddle stitch finisher has two trays and V folds up to 15 sheets (60 pages); opt hole punch for finishers; output tray supports up to 250 sheets (face down)	Std duplex single pass feeder simultaneously scans both sides of document; paper handling options include: dual 500-sheet paper drawer, 500-sheet multi-media drawer, dual 1,500-sheet paper drawer, 3,000-sheet large capacity tray (8.5" x 11"/A4); opt 4,000-sheet finisher offers opt 7-bin mailbox (100 sheets per bin), opt hole punch, and opt saddle stitching
SECURITY SPECS									
Network User Authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IP Address Filtering	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes
MAC Address Filtering	Yes	Yes	Opt	Opt	Info not avail	Info not avail	No	Yes	Yes
HDD Overwrite	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Max Overwrites	5	3	3	3	Info not avail	Info not avail	7	7	3
HDD Encryption	Yes	Yes	Opt	Opt	Yes	Yes	Opt	Opt	Opt
Secure Print	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Encrypted Secure Print	Yes	Yes	Yes	Yes	Yes	Yes	Opt	Yes	Yes
Encrypted PDF Mode (Encrypted Scanning)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPsec	Opt	Opt	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes
Secure Sockets Layer (SSL)	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes
SNMPv3	No	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes
Transport Layer Security	No	Yes	Info not avail	Info not avail	Info not avail	Info not avail	Yes	Yes	Yes
Other	Std Self-Encrypting HDD Drive; opt Data Overwrite kit is Common Criteria certified; opt e-BRIDGE SmartCard card reader limits unauthorized access to device; DPWS security for encrypted print; IPv6 support	Trusted platform module; mail box password protection; restrictions features (send function and new addresses in address book); SMTP authentication POP authentication before SMTP; HDD format; Adobe LiveCycle Rights Management ES integration; optional security features include removable hard drive, hard drive erase, hard drive encryption and mirroring, encrypted secure print and PDF, document scan lock, IPSec and secure watermark	Kerberos/basic/user code/802.1x wired/authentications; encryptions: address book, auth. password, S/MIME, locked print password;network protocol ON/OFF; mask type for copying/data security for copying; copy data security option	Kerberos/basic/user code/802.1x wired/authentications; encryptions: address book, auth. password, S/MIME, locked print password;network protocol ON/OFF; mask type for copying/data security for copying; copy data security option	Opt data security kit provides data overwrite and encryption; opt secure watermark kit prevents illegal copy and scanning; password encryption of scanned documents	Opt data security kit provides data overwrite and encryption; opt secure watermark kit prevents illegal copy and scanning; password encryption of scanned documents	Opt biometric authentication recognizes finger vein patterns; HDD lock; job erase automatically overwrites hard drive up to three times; HDD sanitizing overwrites data stored on hard drive up to seven times	IPV4 and IPV6; IEEE P2600-2008 compliant; DoD (NSTISSP) #11; DoD Directive 8500.2; DoD (DISA); IEEE 802.1x device authentication protocol smartcard / CAC device authentication; protocol filtering; port management; opt Data Security Kit encrypts data up to seven times on hard drive; secure fax release requires user to enter PIN code	Opt card authentication kit; opt data security kit is ISO 15408 Common Criteria certified and provides overwrite and encryption for print, copy and scan; IPv6 support; USB port block; std data sanitation mode can be used to wipe all system memory at the end of a lease
CONTROL PANEL	**keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**
Quantity Selector	1 to 9,999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)
Message Display	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Help Key	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
FEATURES									
Automatic Features	AES, AMS, APS, AS, ATS	AES, AMS, APS, AS, ASO, ATS	AES, AMS, APS, AS, ATS	AES, AMS, APS, AS, ATS	AES, AMS, APS, ATS	AES, AMS, APS, ATS	AES, AMS, APS, AS, ASO, ATS	AES, AMS, APS, ATS	AES, APS, AS, ASO, ATS
Book Copy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Booklet Mode	Std	Std	Std	Std	Std	Std	Std	Std	Std
Color	No	No	No	No	No	No	No	No	No
Copy Control	1,000*	1,000	500	500	Std	Std	1,000	1,000	1,000
Covers	Std	Std	Std	Std	Std	Std	Std	Std	Std
Editing	Std	No	Std	Std	No	No	No	No	No
Energy-Save	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Erase	Std	Std	Std	Std	Std	Std	Std	Std	Std

Spec Comparison Sheet (e-STUDIO756 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO756	Canon imageRUNNER ADVANCE 6075	Ricoh Aficio MP 7001	Ricoh Aficio MP 8001	Fuji Xerox DocuCentre-II 7000	Fuji Xerox ApeosPort-II 7000	Konica Minolta bizhub 751	Sharp MX-M753N	Kyocera TASKalfa 8000i
Image Insert	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Image Overlay	No	Std	No	No	No	No	Std	Std	Std
Image Repeat	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Image Rotate	Std	Std	Std	Std	Std	Std	Std	Std	Std
Interrupt	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Job Build	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Job Programs	12,060	Yes	10	10	No	No	30	Yes	Yes
Job Time	Yes	No	Yes	Yes	No	No	Yes	No	No
Language	Std	Std	Std	Std	Std	Std	Std	Std	Std
Margin Shift	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Neg/Pos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OHP Interleavıng	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Photo Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Poster Mode	No	No	Yes	Yes	Yes	Yes	No	Yes	Yes
Preset R/E	7R, 7E	3R, 3E	7R, 5E	7R, 5E	4R, 3E	4R, 3E	4R, 4E	4R, 5E	5R, 5E
Program Ahead	10	20	Std	Std	Std	Std	51	48	10
Sheet Insertion	Std	Std	Std	Std	Std	Std	Std	Std	Std
Stamping	Std	Std	Std	Std	Std	Std	Opt	Std	Std
Timer	Yes	Yes	Yes	Yes	No	No	Yes	No	Yes
2-in-1	Std	Std	Std	Std	Std	Std	Std	Std	Std
XY Zoom	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Zoom Range	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (0.1%)	25 to 400 (1%)	25 to 400 (1%)
Other Features	*1,000 department/10,000 user codes; mirror image; 2-in-1, 4-in-1, 8-in-1; copy to hard drive document storage (e-Filing); date and time display; page numbers; annotation; 12,060 templates in up to 201 groups	Page numbering; copy set numbering; watermarks; print date; frame erase; mixed-size originals; print on tab; merge job blocks; proof job mode; job complete notification; merge job blocks; cascade copy	*DSPF (duplex single pass feeder) has dual scan heads; chapterization; border and center erase; sample copy; user tools; double copy mode; mixed-size originals; page numbering; std document server; opt tandem copy; copying onto tab extension; special paper display; directional magnification; directional size magnification: repeat copy; image shift; combine copy; series copy; clear mode; original counter; copy counter; opt copy connector; document server; pale mode; text mode; generation copy mode; electronic/shift/rotate sort; electronic stack	*DSPF (duplex single pass feeder) has dual scan heads; chapterization; border and center erase; sample copy; user tools; double copy mode; mixed-size originals; page numbering; std document server; opt tandem copy; copying onto tab extension; special paper display; directional magnification; directional size magnification: repeat copy; image shift; combine copy; series copy; clear mode; original counter; copy counter; opt copy connector; document server; pale mode; text mode; generation copy mode; electronic/shift/rotate sort; electronic stack	Chapterization; annotations; watermarks; proof copy; Bates stamping; ID card copy	Chapterization; annotations; watermarks; proof copy; Bates stamping; ID card copy	Distribution number and stamping; center, edge and frame erase; proof copy; tab paper support; mixed-sized originals; face up/face down selectable output; mirror image; proof copy; user programmable zoom ratio	Center and edge erase; zoom range 25 to 200% (1%) through document feeder; mirror image; tandem copy; card shot mode; tab paper insertion; proof copy; document filing; mixed-size originals; date, character and page stamping; centering	Electronic sort; prevent bleed through; mirror image; page number; form overlay; Bates stamping; shortcut keys; repeat copy; one touch, hue, auto exposure, sharpness color adjustment; custom box; job box; removable memory box; fax box (with optional fax system); maximum of 60 program ahead jobs via system menu setting
ADDITIONAL INFORMATION									
Dimensions (HxWxD)	1,176 mm x 698 mm x 789 mm	1220 mm x 645 mm x 770 mm	1,165 mm x 690 mm x 790 mm	1,165 mm x 690 mm x 790 mm	1,166 mm x 1491 mm x 815 mm	1,154 mm x 620 mm x 815 mm	1,140 mm x 886 mm x 859 mm	683 mm x 728 mm x 1,213 mm	1,053 mm x 685 mm x 801 mm
Weight	203 kg	235 kg	217 kg	217 kg	187 kg	195 kg	224 kg	190 kg	183 kg
Power Requirements	220-240 V, 9 A	220-240 V, 10 A	220-240 V, Amps not avail	220-240 V, Amps not avail	220-240 V, 10 A	220-240 V, 10 A	220-240 V, Amps not avail	220-240 V, Amps not avail	220-240 V, Amps not avail
Energy Used While Power Off	0.09W	1W	.14W	.13W	Info not avail	Info not avail	0.13W	Info not avail	< 1W
Energy Used in Power Save Mode	1.58 W	Info not avail	8.3W	7.52W	Info not avail	Info not avail	27W	Info not avail	20W
Energy Used in Ready Mode	298W	350W	405.84W	321.89W	Info not avail	Info not avail	285W	Info not avail	< 300W
Energy Used While Copying	1,840W	1427W	1213W	1300.3W	Info not avail	Info not avail	1252W	Info not avail	< 1410W
Energy Used While Printing	Info not avail	1427W	1213W	1300.3W	Info not avail	Info not avail	Info not avail	Info not avail	< 1410W
Energy Used While Scanning	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail
Max Power Consumption	1,840W	2200W	1900W	1950W	Info not avail	Info not avail	1850W	Info not avail	2400W
TEC Value	15.36KWh	6.6KWh	7.9KWh	12.4KWh	Info not avail	Info not avail	Info not avail	Info not avail	10.697KWh
Dedicated Outlet	Required	Required	Required	Required	Recommended	Recommended	Required	Required	Recommended
Energy Star Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operating Noise Level	55 dB	79 dB	71 dB	71 dB	Info not avail	Info not avail	67 dB	53 dB	75 dB
COMMENTS	None	None	None	None	None	None	None	None	None
OPTIONS									
	MP-4004 LCT 4,000 sheets	C1 DSPF	RT43 LCT 4,000 sheets (414519)	RT43 LCT 4,000 sheets (414519)	Bypass tray 250 sheets	Bypass tray 250 sheets	LU-405 LCT 4,000 sheets	LCT 3,000 sheets A3 (MX-LCX3N)	PF-770 LCT 3,000 sheets
	MJ-1027 Multi-position Staple Finisher	D1 LCT 3,500 sheets	Type 9001 Paper tray 1,000 sheets 11 x 17 (415017)	Type 9001 Paper tray 1,000 sheets 11 x 17 (415017)	HCF2 HCF 2,000 sheets	HCF2 HCF 2,000 sheets	LU-406 LCT 4,000 sheets A3+	LCT 3,500 sheets (MX-LC10)	PF-780 Paper tray 500 sheet multi-media
	MJ-1028 50-sheet Staple Saddle-stitch Finisher	A1 LCT 3,500 sheets	BK5010e Booklet maker Plockmatic (404305)	BK5010e Booklet maker Plockmatic (404305)	HCF 4,000 sheets	HCF 4,000 sheets	FS-525 Finisher	Finisher (MX-FN15)	PF-740 Paper-feed unit 2 x 1,500 sheets
	MJ-1029 100-sheet Staple Saddle-stitch Finisher	B1 Tab feeding attachment kit	SR4050 Finisher 100-sheet stapling (414944)	SR4050 Finisher 100-sheet stapling (414944)	D2 Finisher	D2 Finisher	FS-524 Finisher	Finisher 100-sheet stapling (MX-FN14)	PF-730 Paper-feed unit 2 x 500 sheets
	KN-1017 Finisher rail	Q1 Copy tray	SR4030 Finisher 3,000 sheets (414957)	SR4030 Finisher 3,000 sheets (414957)	C Finisher	C Finisher	FS-610 Finisher booklet	Finisher booklet (MX-FN16)	DF-790 Finisher 4,000 sheets
	MJ-7001 Post sheet inserter	E1 Finisher	SR4040 Finisher booklet (414950)	SR4040 Finisher booklet (414950)	D2 Finisher booklet	D2 Finisher booklet	ZU-605 Folding unit Z fold and punch unit	Post sheet inserter (MX-CF10)	BF-730 Folding unit booklet and tri-fold
	MJ-6003 Punch unit (for MJ-1027/1028/1029)	E1 Finisher booklet	Type FD5000 Folding unit (404183)	Type FD5000 Folding unit (404183)	C Finisher with booklet maker	C Finisher with booklet maker	OT-505 Output tray (A0PUWY1)	Punch unit (AR-PN4B)	MT-730 Mailbox
	GM-1260 Printer Kit	L1 Post sheet inserter	Type 3260 Jogger unit (412212)	Type 3260 Jogger unit (412212)	D2 Folding unit	D2 Folding unit	PI-504 Post sheet inserter	Punch unit (MX-PN10B)	PH-7C Punch unit
	GM-2270 Printer/Scanner Kit	H1 Post sheet inserter and folding unit	Type 1075 Jogger unit (411206)	Type 1075 Jogger unit (411206)	User interface kit large size	User interface kit large size	PK-505 Punch unit	Keyboard (MX-KBX2)	(B) Card reader holder
	GM-4250 Scanner Kit	A1 Punch unit	CS391 Mailbox (412191)	CS391 Mailbox (412191)	Fax internet (EL200865)	Fax internet (EL200865)	SF-602 Shift tray	Application integration module (MX-AMX1)	DT-730 Document tray
	GS-1020 External interface enabler for open platform	A1 Punch unit 2/4 hole (3705B003AA)	Type 3260 Post sheet inserter (412213)	Type 3260 Post sheet inserter (412213)	Fax option (EL200864)	Fax option (EL200864)	WT-504 Table working (A0PWWY1)	Fax internet (MX-FWX1)	A Fax kit internet
	GD-1250 Fax option	A1 Stapler convenience	Type 1075 Punch unit	Type 1075 Punch unit	Fax server kit (EL200869)	G3 port kit additional (EM100208)	FK-502 Fax option (15B)	Fax option (MX-FXX2)	V Fax option
	GD-1260 Fax second line	A1 Utility tray	Type 3260 Punch unit (412210)	Type 3260 Punch unit (412210)	G3 port kit additional (EM100208)	High-compression image kit	IC-208 Konica Minolta print controller	Scanning PDF compression kit enhanced (MX-EBX3)	V Fax second line
	GS-1010 Meta scan enabler	B1 Control panel touch screen upright	Punch unit GBC StreamPunch III (414387)	Punch unit GBC StreamPunch III (414387)	Printer kit (EL200859)	Interface USB 2.0	EK-703 Interface USB 2.0 host (A0P4WY1)	Stamp unit (AR-SU1)	IB-50 Gigabit Ethernet card
	GN-1060 Adapter wireless network	B1 Integrated interface and stand print controller for J200	Type 9001 Fax option (414945)	Type 9001 Fax option (414945)	Scanner option (EL200866)	256-MB memory (EL200763)	HD-510 60-GB HDD (A0P7WY1)	XPS expansion kit (MX-PUX1)	MM-16-128 120-MB fax memory
	GN-2020 Interface Bluetooth	Keyboard	Type E File format converter (414007)	Type E File format converter (414007)	Interface USB 2.0	Adobe PostScript 3	AU-101 Biometric finger vein authentication (A09MWY0)	Bar code (AR-PF1)	B Card Authentication kit for HID proximity card
	GN-3010 Wireless antenna	F1 Expansion bus	Type 9001 Printer scanner unit (414954)	Type 9001 Printer scanner unit (414954)	256-MB memory (EL200763)	Data security kit (EL200867)	SC-506 HDD encryption (A0PCWY1)	PostScript 3 (MX-PKX1)	E Data security kit
	GQ-1040 Harness Kit for Coin Controller	AF1 Fax board second line super G3	Type J VM Java card (404230)	Type J VM Java card (404230)	512-MB memory	Secure watermark kit		CAC reader (MX-EC50)	A Printed document guard kit
	GP-1070 Data overwrite kit	AE1 Fax board Super G3 third and fourth line	Type B Gigabit Ethernet board (414204)	Type B Gigabit Ethernet board (414204)	Adobe PostScript 3			Data security kit (MX-FR22U)	KYOCapture Express one device license software
	GP-1080 IPSec enabler	A1 Fax kit remote fax	Type J Interface 802.11a/b/g	Type J Interface 802.11a/b/g	Data security kit (EL200867)			Accounting module external (MX-AMX3)	KYOCapture Express ten device license software
	GS-1007 Unicode Font Enabler	AF1 Fax option	Type 3245 Interface Bluetooth (412866)	Type 3245 Interface Bluetooth (412866)	Secure watermark kit			Generic vend interface kit (DVENDPS)	
	KP-2004 SmartCard reader HID/MIFARE	U1 imagePASS print controller	Type A Interface Parallel	Type A Interface Parallel				Sharpdesk 1 user license (MX-USX1)	
	KP-2005 SmartCard reader MIFARE	H1 PDF and XPS direct print kit	Type C Slot USB 2.0/SD (414949)	Type C Slot USB 2.0/SD (414949)				Sharpdesk 10 user license (MX-US10)	
	GQ-1240 Harness kit for coin controller	E1 Universal Send Advanced Feature Set	Type B 32-MB fax memory	Type B 32-MB fax memory				Sharpdesk 100 user license (MX-USA0)	
	GB-1261 e-BRIDGE Fleet Management System software	H1 Web Access software	Type 9001 Adobe PostScript 3 (415050)	Type 9001 Adobe PostScript 3 (415050)				Sharpdesk 5 user license (MX-USX5)	
	GB-1280 e-BRIDGE RE-RITE OCR software	A1 USB device port	Type F Copy Data Security unit (413985)	Type F Copy Data Security unit (413985)				Sharpdesk 50 user license (MX-US50)	
		B1 Wireless LAN board	Type H Data Overwrite Security (414002)	Type H Data Overwrite Security (414002)					
		D1 250-GB HDD mirroring							
		Type B 512-MB memory							
		A1 80-GB HDD mirroring							
		A1 Multimedia reader writer							
		D1 Bar code							
		AJ1 PCL 6							
		AJ1 PostScript 3							
		B1 Access Management System kit							
		Authorized Send Kit V4.1 1 license							
		Authorized Send Kit V4.1 10 licenses							
		Authorized Send Kit V4.1 100 licenses							
		C1 Data erase kit							
		A1 Document scan lock kit							
		D1 Encrypted Secure Print software							
		C2 HDD encryption and mirroring							

Spec Comparison Sheet (e-STUDIO756 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO756	Canon imageRUNNER ADVANCE 6075	Ricoh Aficio MP 7001	Ricoh Aficio MP 8001	Fuji Xerox DocuCentre-II 7000	Fuji Xerox ApeosPort-II 7000	Konica Minolta bizhub 751	Sharp MX-M753N	Kyocera TASKalfa 8000i
		B2 IPSec board							
		AD1 Removable HDD kit							
		B4 Removable HDD kit for imagePASS U1							
		B1 Secure watermark kit							
		C1 Universal Send Digital User Signature							
		K1 Universal Send PDF encryption kit							
		D1 Universal Send Security Feature Set							
		A1 Accessibility handle ADF							
		F1 Braille label kit							
		B1 Remote Operator's Software kit							
		F2 Voice Guidance kit							
		EFI SeeQuence Compose							
		EFI SeeQuence Impose							
		EFI SeeQuence Suite							
SUPPLIES/MAINTENANCE									
	Black drum; Yield: 540,000	Black drum; Yield: 6,000,000	Black drum (B2469510); Yield: 1,200,000	Black drum (B2469510); Yield: 1,200,000	Black drum; Yield: 352,000	Black drum; Yield: 352,000	DR-710 Black drum (02XL); Yield: 500,000	Black drum (AR-620DR); Yield: 300,000	TK-6709 Black toner cartridge; Yield: 70,000
	Black toner cartridge; Yield: 73,900; Coverage: 6%	C-EXV36 Black toner cartridge; Yield: 56,000; Coverage: 5%	Black toner cartridge (885098); Yield: 43,000; Coverage: 5%	Black toner cartridge (885098); Yield: 43,000; Coverage: 5%	Black toner cartridge; Yield: 76,000; Coverage: 6%	Black toner cartridge; Yield: 76,000; Coverage: 6%	TN-710 Black toner cartridge (02XJ); Yield: 55,000; Coverage: 6%	Black toner cartridge; Yield: 83,000; Coverage: 6%	MK-6705A Maintenance kit (includes drum and developer); Yield: 600,000
	Black developer; Yield: 540,000		Type 24 Black developer (B0649645); Yield: 350,000	Type 24 Black developer (B0649645); Yield: 350,000	Black developer	Black developer	DV-710 Black developer (02XK); Yield: 250,000	Black developer; Yield: 300,000	MK-6705C Maintenance kit fuser; Yield: 300,000
									WT-861 Waste toner container; Yield: 500,000
MULTIFUNCTION MODES									
Copier	Std	Opt	Std	Std	Std	Std	Std	Std	Std
Internet Fax	Std	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Network Printer	Opt	Std	Opt	Opt	Opt	Std	Opt	Std	Std
Printer	Opt	Std	Opt	Opt	Opt	Std	Opt	Std	Std
Fax	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Network Fax	Std	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
PC Fax	Std	Opt	Opt	Opt	Opt	Opt	Opt	Opt	Opt
Scanner	Opt	Opt	Opt	Opt	Opt	Std	Std	Std	Std
CONNECTIVITY SPECIFICATIONS									
Operating System Support	Win 2000, XP, Server 2003, Vista, Server 2008, Mac OS X, Linux, UNIX, CUPS	Win 2000, XP, Server 2003, Vista, Server 2008, 7, Mac OS X10.4.9+	Win 2000, XP, Server 2003, Vista, Server 2008, Mac OS 8.6 - 9.2x, OS X v10.1 or 10.4.x, 10.5x+, Netware 3.2 - 6.5, Sun Solaris 2.6/7/8/9/10, HP-UX, SCO OpenServer, RedHat Linux, IBM AIX	Win 2000, XP, Server 2003, Vista, Server 2008, Mac OS 8.6 - 9.2x, OS X v10.1 or 10.4.x, 10.5x+, Netware 3.2 - 6.5, Sun Solaris 2.6/7/8/9/10, HP-UX, SCO OpenServer, RedHat Linux, IBM AIX	Win 2000, XP, Server 2003, Vista, Mac 8.6-10.4.9	Win 2000, XP, Server 2003, Vista, Mac 8.6-10.4.9	Win 2000, XP, Server 2003, Vista, Mac OS 9.x, 10.x, Citrix, Linux, UNIX	Win 2000, XP, Server 2003, Vista, Server 2008, 7, Mac OS 9.2.2, OS X 10.2.8, 10.3.9, 10.4.11, 10.5-10.5.8, 10.6-10.6.2, Novell Netware 3x to 6x , Citrix (Metaframe, Presentation Server 4, 4.5), Linux, SAP, Sun OS 4.1x, Solaris 2x, UNIX and Windows Terminal Services	Win 2000, XP, Server 2003, Vista, Server 2008, 7; Mac OS 10.x, Sun OS 4.1.x, Solaris 2.x, AIX, HP-UX (LPR), Novel NetWare 3.x-6.x
Parallel Interface	Opt	None	Opt	Opt	None	None	None	None	None
PC Fax/Print/Scan	No/Yes/Yes	Not applicable	Yes/Yes/Yes	Yes/Yes/Yes	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Serial Interface	None	None	None	None	None	None	None	None	None
PC Fax/Print/Scan	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
USB Interface	Std 2.0, std (host)	Std 2.0	Std 2.0, opt (host)	Std 2.0, opt (host)	Opt 2.0	Opt 2.0	Opt 2.0, std 2.0 (host)	Std 2.0, std 2.0 (host)	Std 2.0, std 2.0 (host)
PC Fax/Print/Scan	No/Yes/No	No/Yes/No	Yes/Yes/Yes	Yes/Yes/Yes	Info not avail/Yes/No	Info not avail/Yes/No	Yes/Yes/No	Yes/Yes/Yes	Yes/Yes/Yes
Network Interface	Std Ethernet, opt wireless	Std Ethernet, opt wireless	Std Ethernet, opt wireless	Std Ethernet, opt wireless	Std Ethernet	Std Ethernet	Std Ethernet	Std Ethernet	Std Ethernet
Interface Type	10/100/1000BaseT, 802.11g, Bluetooth	10/100/1000BaseTX, 802.11b/g	10/100BaseTX, 802.11a/b/g, Bluetooth	10/100BaseTX, 802.11a/b/g, Bluetooth	10/100BaseTX	10/100BaseTX	10/100/1000BaseTX	10/100/1000 BaseT	10/100/1000BaseTX
LAN Fax/Print/Scan	Yes/Yes/Yes	No/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Info not avail/Yes/Yes	Info not avail/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Networks Supported									
NetWare	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Windows NT	Yes	Yes	No	No	No	No	Yes	Yes	Yes
AppleTalk	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes
UNIX	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes
AS/400	Yes	No	Yes	Yes	No	No	Opt	Yes	Yes
Other	Linux, Citrix Metaframe		IPv4; IPv6; IPX/SPX; SMB	IPv4; IPv6; IPX/SPX; SMB	TCP/IP, EtherTalk, NetBEUI, Bonjour	TCP/IP, EtherTalk, NetBEUI, Bonjour		None	
FACSIMILE SPECIFICATIONS									
Scanner Technology	CCD	CCD	CCD	CCD	CIS	CIS	CCD	CCD	CCD
Compression Method	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG
Modem Speed	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps	33.6 Kbps
Max TX Resolution	400 x 400 Ipi	600 x 600 dpi	400 x 400 dpi	400 x 400 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	400 x 400 dpi	600 x 600 dpi
Gray Scale/Halftones	256 levels	256 levels	256 levels	256 levels	Info not avail	Info not avail	256 levels	256 levels	Info not avail
Std/Max Fax Memory	Shared	Shared	Shared	Shared	Info not avail	Info not avail	32-MB RAM/32-MB RAM	8-MB RAM/8-MB RAM	12-MB RAM/120-MB RAM
Min/Max Orig Size (WxL)	A5/A3	A5/A3	A5/A3	A5/A3	A5/A3	A5/A3	A5/A3	A5/A4	A5/A3
Max Paper/Print Width	279/279	279/279	279/279	279/279	279/279	279/279	279/279	216/216	279/Info not avail
Effective Scanning Width	279	279	279	279	279	279	279	216	Info not avail
Correct-Order Output	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Info not avail
Batch Files	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Info not avail
Battery Backup	Yes	Yes	1 hr	1 hr	Yes	Yes	Yes	Yes	Info not avail
Confid TX/RX	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/yes	Yes/yes	Yes/Yes	Yes/Yes	Yes/Yes
Dual Lines	No	Std	Opt**	Opt**	Opt	Opt	Opt	No	Opt
Multi Access	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Yes
Polling	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Relay Request	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Smoothing	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Timers	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Transfer Hub	Yes	Yes	Yes	Yes	Info not avail	Info not avail	Yes	Yes	Info not avail
DIALING CAPABILITIES									
Broadcasting (Groups/Dest)	200/400	Info not avail	100/500	100/500	Info not avail	Info not avail	100/500	500/500	Info not avail/500
Redial (Attempts/Intervals)	14/Programmable	Info not avail	5/5 min	5/5 min	Info not avail	Info not avail	Programmable	Programmable	Info not avail
One Touch	None	Info not avail	None	None	70	70	1,000	999	100
Speed Dial	12,060		/2,000	/2,000	/500	/500	1,000	999	50
Other	1 GB (HDD) transmission/F code & reception memory, 80-GB HD backup memory; delayed transmission; incoming fax routing to shared folder, e-mail or e-Filing	Job forwarding; different-size original; erase frame; job build; delayed send; review; job done notice; two-sized original mode; book to two page mode; up to four fax lines can be added; 50 confidential fax inboxes (mailboxes)	**Up to 3 lines; fax forwarding; automatic email notification; direct fax number entry; page counter; auto reduction; wild cards; ID code programming; user function keys; LCD prompt; remaining memory indicator; clock adjustment; user parameter setting; user data transfer; send later; book fax; closed network transmission; reception mode switching; auto answer delay time (SP mode); busy tone detection; manual reception; substitute reception; authorized reception; multi-copy; closed network reception; reception time printing; center mark; opt. duplex reception; monitor speaker; on-hook dial; tone transmission; pause; pulse/tone selection; chain dialing; reception mode selection	**Up to 3 lines; fax forwarding; automatic email notification; direct fax number entry; page counter; auto reduction; wild cards; ID code programming; user function keys; LCD prompt; remaining memory indicator; clock adjustment; user parameter setting; user data transfer; send later; book fax; closed network transmission; reception mode switching; auto answer delay time (SP mode); busy tone detection; manual reception; substitute reception; authorized reception; multi-copy; closed network reception; reception time printing; center mark; opt. duplex reception; monitor speaker; on-hook dial; tone transmission; pause; pulse/tone selection; chain dialing; reception mode selection	Opt Internet fax kit	Opt Internet fax kit	2,000 one touch dials with optional hard disk; supports IP address faxing and PC faxing; transmission speed of 2.4 seconds per page; border erase transmission; duplex transmission and reception; rotate transmission; TSI user box and user box routing	Inbound routing to email; quick on-line tx; direct tx; F-code tx/rx; rotate tx; anti-junk fax reception; auto staple received files; secure fax release; out of paper memory rx; auto redial; 2-in-1 rx; duplex rx; activity reports and PC fax	Duplex TX/RX; F-code TX/RX; fax box; opt internet fax and opt second fax line
PRINTER SPECIFICATIONS									
Engine Mfr & Model	Toshiba/e-STUDIO756	Canon/imageRUNNER 6075	Ricoh/Aficio MP 7001	Ricoh/Aficio MP 8001	Fuji Xerox/DocuCentre-II 7000	Fuji Xerox/ApeosPort-II 7000	Konica Minolta/bizhub 751	Sharp/MX-M753N	Kyocera/TASKalfa 8000i
Compatibility	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac
Speed	75 ppm	75 ppm	70 ppm	80 ppm	75 ppm	75 ppm	75 ppm	75 ppm	80 ppm
Max Print Area	A3	Info not avail	A3	A3	Info not avail	Info not avail	310 x 459	Info not avail	Info not avail
Enhanced Resolution	2400 x 600 dpi	Not applicable	Not applicable	Not applicable	1200 x 1200 dpi	1200 x 1200 dpi	1200 x 600 dpi	1200 x 1200 dpi	Not applicable
Unenhanced Resolution	600 x 600 dpi	1200 x 1200 dpi	1200 x 1200 dpi	1200 x 1200 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi

Spec Comparison Sheet (e-STUDIO756 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO756	Canon imageRUNNER ADVANCE 6075	Ricoh Aficio MP 7001	Ricoh Aficio MP 8001	Fuji Xerox DocuCentre-II 7000	Fuji Xerox ApeosPort-II 7000	Konica Minolta bizhub 751	Sharp MX-M753N	Kyocera TASKalfa 8000i
Std/Max Printer Memory	Shared	Shared	Shared	Shared	Shared	Shared	Shared	1-GB RAM/2-GB RAM	Shared
Controller Mfr/Model	Toshiba/e-BRIDGE X (eBX)	Canon/Info not avail	Ricoh/Info not avail	Ricoh/Info not avail	Fuji Xerox/Info not avail	Fuji Xerox/Info not avail	Konica Minolta/IC-208	Freescale/Power QUICCIII	Kyocera/Info not avail
Processor/Bits/MHz	PowerPC 440/Info not avail/833	Custom dual processors/Info not avail/Info not avail	Celeron/Info not avail/1.0 GHz	Celeron/Info not avail/1.0 GHz	Power PC e300/Info not avail/667	Power PC e300/Info not avail/667	Celeron-M32/1 GHz	MPC8533E/Info not avail/800	PowerPC 750CL/Info not avail/800
PDL/PCL	PCL 6, PostScript 3, XPS	UFRII, opt PCL 5e/6, opt Adobe PostScript	PCL 5e/6, RPCS, opt Adobe PostScript 3/ PDF, IPDS	PCL 5e/6, RPCS, opt Adobe PostScript 3/ PDF, IPDS	PCL 5e/6, opt Adobe PostScript 3	PCL 5e/6, opt Adobe PostScript 3	PCL 5e/6, PostScript 3	PCL 5e/6, opt PostScript 3, opt XPS	PCL 6, PostScript 3, PRESCRIBE, XPS
Controller Mfr/Model	Not applicable	EFI/imagePASS-U1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Core Duo T2500/Info not avail/2 GHz	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	PCL 5e/6, Adobe PostScript 3	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Controller Mfr/Model	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Other	Secure print; proof print; scheduled print; watermarks; tab printing; print to e-Filing; direct print from USB flash drive via host USB port on front of device; 80 PCL, 136 PS fonts	Optional direct print kit for PDF/XPS printing; print to USB (requires PostScript); std/max memory for imagePASS U1 print controller is 2-GB RAM, 80-GB HD	Sample/locked/hold/stored/store and print/PDF direct print; mail to print; classification code; Bonjour support; Windows Active Director/DDNS support; PCL resident font adoption; 1200 dpi support; mobile driver; XPS support; WS-printer; imposition settings; creep adjustment; crop mark	Sample/locked/hold/stored/store and print/PDF direct print; mail to print; classification code; Bonjour support; Windows Active Director/DDNS support; PCL resident font adoption; 1200 dpi support; mobile driver; XPS support; WS-printer; imposition settings; creep adjustment; crop mark	Sample print; delay print; direct TIFF/PDF printing; fonts: PCL 82, PostScript 136	Sample print; delay print; direct TIFF/PDF printing; fonts: PCL 82, PostScript 136	PDF, TIFF, encrypted PDF direct printing; native XPS support	Continuous printing; booklet printing; N-up; different cover page/last page; transparency inserts; tab printing; carbon print mode; fit to page; mirror image; poster mode; margin shift; watermarks; confidential print; confidential batch print; print hold; proof print; bypass printing; job priority printing; print job control; direct printing from USB memory, FTP, web page & email; file types: TIFF, JPEG, PCL, PRN, TXT, PDF, encrypted PDF, PostScript and XPS; opt XPS expansion kit requires 1-GB memory upgrade	Fonts: 93 PCL 6, 136 PostScript, 8 Win Vista, 1 bitmap; direct print from USB; utilities include PRESCRIBE, PDF Direct Print, KMnet Admin, KMnet Viewer, Kyocera Command Center RX; supports banner printing up to 12" x 47"/304.8 mm x 1,219.2 mm
SCANNER AND IMAGE MANAGEMENT SPECIFICATIONS									
Connection Type	Network	Network	Network	Network	Network	Network	Network	Network	Network, USB
Technology/Speed	CCD/77 ipm color, 80 ipm black	CCD/85 ipm color, 120 ipm black	CCD/55 ipm color, 80 ipm black	CCD/55 ipm color, 80 ipm black	CIS/75 ipm	CIS/50 ipm color, 100 ipm black	CCD/75 ipm	CCD/75 ipm	CCD/70 ipm color, 100 ipm black
Max Resolution	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
TWAIN Compatible	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan Destinations									
E-mail	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
I-fax	Yes	Yes	Yes	Yes	INA	INA	Yes	Yes	Yes
FTP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HDD	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
URL	No	Yes	Yes	Yes	INA	INA	Yes	Yes	INA
LDAP Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Scan/Image Software	Opt third-party software	Std Color Network ScanGear	Info not avail	Info not avail	Opt CentreWare Internet Services software	Opt CentreWare Internet Services software	Opt PageScope Workware	Std ImageSend, std Sharpdesk	Info not avail
OCR Software	Opt e-BRIDGE RE-RITE	Info not avail	Info not avail	Info not avail	Opt CentreWare Internet Services software	Opt CentreWare Internet Services software	Opt PageScope Workware	Std ImageSend, std Sharpdesk	Opt KYOcapture Express
File Mgmt Software	Std e-Filing, opt third-party software	Info not avail	DeskTopBinder Lite	DeskTopBinder Lite	Opt CentreWare Internet Services software	Opt CentreWare Internet Services software	Opt PageScope Workware	Std ImageSend, std Sharpdesk	Opt DMS link
Other	Scan to file (HDD or network folder); scan to USB flash drive; e-Filing; supports SMTP authentication; supports XPS, TIFF, PDF, DOC, XLS, RTF, TXT file formats; Web Service Scan; opt advanced scanning kit (RE-RITE) provides scan to MS Word, MS Excel and Searchable PDF	Color scanning; file formats supported include TIFF, JPEG, PDF, XPS, high compression PDF/XPS, PDF/A-1b, optimized PDF for web; scan to USB; 1,800 address book locations	Full color scanner; scan to USB/SD card; scan to PDF, TIFF & JPEG; scan-to-folder (SMB, FTP, NCP); LDAP support; 2,000 e-mail storage, 500 max destinations per job	Full color scanner; scan to USB/SD card; scan to PDF, TIFF & JPEG; scan-to-folder (SMB, FTP, NCP); LDAP support; 2,000 e-mail storage, 500 max destinations per job	Printer kit must be installed in order to add scanner kit; supports TIFF, DocuWorks document and PDF file formats	50 ipm color, 100 ipm black single-sided; external web access via opt external access kit; access control can be restricted and users authenticated using network login credentials; supports TIFF, DocuWorks document, PDF, JPEG file formats as well as high-compression DocuWorks and PDF files when the opt high-compression image kit is installed	File formats include PDF, encrypted PDF, XPS and TIFF files types; scan to USB, WebDAV and hard drive (user box); supports up to five LDAP servers; users can view thumbnail previews of scanned documents	Color, monochrome and grayscale scan modes; scan to USB; monochrome file formats: TIFF, PDF, encrypted PDF, XPS; color file formats: TIFF, JPG, PDF, encrypted PDF, compact PDF, XPS	Color scanning; scan to USB; WSD scan, supports TIFF, JPEG, PDF, PDF/A, XPS file formats; scan speeds are when using the document feeder and are based on letter/A4 at 300 dpi resolution
COMMENTS									
	One-touch template feature allows users to store personalized settings or workflows (12,060 templates available); remaining paper volume indicator; toner recycling system; e-Filing features one public box & 200 private boxes; user can create 100 folders per private box & store up to 400 documents per folder (1,000 pages per document); TopAccess File Downloader & Document Mgmt utilities included; opt e-BRIDGE Viewer; opt e-BRIDGE Fleet Management software, direct print from/scan to USB flash drives; 8-bit depth; RoHS and Blue Angel compliant; supports Toshiba's Open Platform architecture	Utilizes Canon's Precision Output (pO) toner and twin-sleeve technology that aids in reproducing detailed originals, ensures ultra smooth gradations and even distribution of toner on the page. Supports MEAP technology	Features large WVGA color touch screen; available software include SmartDeviceMonitor for Admin/Client, Web SmartDeviceMonitor, Web Image Monitor, DeskTopBinder Lite, TWAIN driver, printer utility for Macintosh; security features include user authentication; Unauthorized Copy Control embeds a message on document that appears on copied document; opt DataOverwrite security system; copy data security unit; compatible with Ricoh's Embedded Software Architecture; document management tools: opt Remote Intelligent Management System reports meter usage data automatically and securely; DocumentMall enables users to securely store, edit, share and retrieve documents and files from PCs via the Internet and scan documents into a secure folder; four beam laser system; environmental features include toner recycling, low noise levels, minimal ozone emissions, RoHS compliant	Features large WVGA color touch screen; available software include SmartDeviceMonitor for Admin/Client, Web SmartDeviceMonitor, Web Image Monitor, DeskTopBinder Lite, TWAIN driver, printer utility for Macintosh; security features include user authentication; Unauthorized Copy Control embeds a message on document that appears on copied document; opt DataOverwrite security system; copy data security unit; compatible with Ricoh's Embedded Software Architecture; document management tools: opt Remote Intelligent Management System reports meter usage data automatically and securely; DocumentMall enables users to securely store, edit, share and retrieve documents and files from PCs via the Internet and scan documents into a secure folder; four beam laser system; environmental features include toner recycling, low noise levels, minimal ozone emissions, RoHS compliant	The std mid-size colour web UI touch screen control panel can be upgraded with an opt full-size colour web UI touch screen control panel	The std mid-size colour web UI touch screen control panel can be upgraded with an opt full-size colour web UI touch screen control panel	Utilizes Open Platform control system; opt audit and image log tracks usage and controls access on network; print from USB memory w/opt hard drive; bizhub Extended Solution Technology (bEST) allows for integration of third-party software	Sharp's third generation OSA platform allows users to interact with network applications directly from the 8.5" (measured diagonally) high resolution color touch screen featuring graphical menu navigation; remote front panel allows administrators and support personnel to view and contol the LCD panel of the machine remotely from any PC on the network; std Application Communication Module lets remote applications create, configure and execute scanning and printing jobs; supports Intelligent Device Management (IDVM) with PAU5 (Printer Administration Utility); home page on LCD panel offers easy menu customization; features optional retractable keyboard, front panel USB port and new contemporary grain design; users can preview documents from 38-GB document filing system utilizing thumbnail mode image preview; firmware upgrades via USB flash ROMs or network updates via PAU; opt Ipsec support allows integration to higher security IT environments & SSL support provides encryption for confidential information to be securely communicated over the Internet; security offerings meet regulatory requirements such as the Health Insurance Portability and	HyPAS (Hybrid Platform for Advanced Solutions)

Spec Comparison Sheet (e-STUDIO856 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO856	Canon imageRUNNER ADVANCE 8085	Ricoh Aficio MP 8001	Ricoh Aficio MP 9001	Kyocera TASKalfa 8000i
BACKGROUND INFORMATION		**17649/AUS**	**16948/AUS**	**16949/AUS**	**18064/AUS**
Dataquest Segment	5	5	5	5	5
SRP/Street Price	$ not avail/None	$ not avail/None	$ not avail/None	$ not avail/None	$ not avail/None
Manufacturing Status	New	New	New	New	New
Domestic Intro Date	After Feb 2012	December 2010	June 2009	June 2009	June 2011
OEM	Toshiba (China)	Canon (Japan)	Ricoh (China)	Ricoh (China)	Kyocera (China)
Also Sold As	Info not avail	None	Info not avail	Info not avail	None
Distributed By	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail
Max Monthly Duty Cycle	600,000 impressions	Info not avail	300,000 impressions	300,000 impressions	450,000 impressions
TYPE	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**	**Monochrome copier, MF**
Configuration/Scanner	Console,digital	Console,digital	Console,digital	Console,digital	Console,Digital
Toner	Dry, dual component	Dry, monocomponent	Dry, dual component	Dry, dual component	Dry, dual component
GENERAL SPECIFICATIONS/PAPER HANDLING					
First Copy Time	3.5 sec	2.7 sec	3.5 sec	3.3 sec	4.7 sec
Multicopy (A4/A3)	85/43 cpm	85/44 cpm	80 cpm/Info not avail	90 cpm/Info not avail	80/40 cpm
Warm-up Time	130 sec	1 min	60 sec	300 sec	30 sec
Std Paper Source(s)	Triple drawer	Dual drawer, dual tray	Triple drawer	Triple drawer	Dual drawer, dual tray
Std Paper Capacity	500/500/2,500 sheets	550/550/1,500/1,500 sheets	1,550/1,550/550/550 sheets	1,550/1,550/550/550 sheets	500/500/1,500/1500 sheets
Paper Weights	64 to 209 gsm	52 to 220 gsm	53 to 128 gsm	53 to 128 gsm	60 to 256 gsm
Bypass/Paper Weights	100-sheet/64 to 209 gsm	100-sheet/52 to 256 gsm	100-sheet/53 to 216 gsm	100-sheet/53 to 216 gsm	150-sheet/60 to 300 gsm
Max Paper Sources	5	6	5	5	8
Max Paper Capacity	7,600 sheets	7,700 sheets	8,300 sheets	8,300 sheets	7,650 sheets
Max Original Size	A3	A3	A3	A3	A3
Output Size (Min/Max)	A5/A3	100 x 148/SRA3	A5/A3	A5/A3	A5/304.8 x 457.2
Copy Resolution	2400 x 600 dpi	1200 x 1200 dpi	1200 x 1200 dpi	1200 x 1200 dpi	600 x 600 dpi
System Memory (Std/Max)	1-GB RAM, 80-GB HD/1-GB RAM, 80-GB HD	1.5-GB RAM, 80-GB HD/1.5-GB RAM, 250-GB HD	512-MB RAM, 160-GB HD/1.5-GB RAM, 160-GB HD	512-MB RAM, 160-GB HD/1.5-GB RAM, 160-GB HD	2-GB RAM, 2 x 160-GB HD/2-GB RAM, 2 x 160-GB HD
Duplex	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)	Auto (1:2,2:2,2:1)
Duplex Capacity/Paper Sizes	Unlimited/A5 to/A3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 toA3	Unlimited/A5 to304.8 x 457.2
Document Feeder	Std RADF	Opt DSPF	Std DSPF*	Std DSPF*	Std DSPF
Doc Feeder Speed/Capacity	71 opm/100 orig	85 opm color, 120 opm black/300 orig	55 opm color, 80 opm black/150 orig	55 opm color, 80 opm black/150 orig	70 opm color, 100 opm black/270 orig
Paper Weights	35 to 209 gsm	38 to 220 gsm	64 to 128 gsm	64 to 128 gsm	35 to 220 gsm
Sorter (Bins/Capacity)	None	None	None	None	None
Staple Sorter	None	None	None	None	Not applicable
Bins/Stapling Capacity	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Stapling Positions	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Finisher	Opt finishers	Opt finishers	Opt finishers	Opt finishers	Opt finisher
Tray/Stapling/Position(s)	4,000, 4,000, 4,000/50, 50, 100/4, 4, 4	4,250/100/3	2,250, 3,250, 3,500/50, 50, 100/4	2,250, 3,250, 3,500/50, 50, 100/4	4,000/65/3
Other	Electronic sorting; opt multi-staple finisher has two trays (2,000/2,000); opt saddle-stitch 50-sheet stapling finisher has two trays (2,000/2,000), V folds and saddle-stitches up to 15 sheets (60-page booklets); opt saddle-stitch 100-sheet stapling finisher has two trays (2,000/2,000), V folds and saddle- stitches up to 15 sheets (60-page booklets); opt hole punch unit; opt post sheet inserter holds 100 sheets; opt 4,000-sheet LCT handles letter/A4-sized paper; std 2,500-sheet tandem large capacity feeder has two 1,250-sheet trays and handles letter/A4-sized paper	Optional finishers have three trays (1,500/250/2,500); optional booklet finisher saddle stitches of up to 20 sheets (80-page booklets); optional paper folding unit H1 supports Z-, C-, half- and accordion z-fold; optional 3,500-sheet letter-size/A4 paper deck; optional 3,500-sheet POD deck lite holds paper ranging in size from letter/A4 to 13 x 19/SRA3; optional in-line puncher unit features 2-/4-hole punch; optional professional puncher unit features Twin loop 23-hole (round), Twin loop 34-hole (round), Color coil 47-hole, Velo bind 12-hole, loose leaf 4-hole, loose leaf 2-hole and Pro Click 34-hole; optional document insertion unit has two trays that hold 200 sheets each; optional trimmer (front-edge trimming) for booklet finisher	Opt 4,000-sht LCT; opt 100-sht stapling finisher has two trays (500, 3,000); opt 50-sht stapling finisher (250, 3,000); opt 2,000-sheet booklet finisher (250, 2,000); opt mult-folding unit option for 100-sht stapling finisher and booklet finisher handles six folding patterns including 2-folding, Z-folding, 3-folding (in and out) and 4-folding (gate and double parallel); opt cover interposer, 2-/3-hole punch and jogger unit; opt 9-bin mailbox for 50-sheet stapling finisher and booklet finisher; professional booklet maker saddle-stitches up to 30 sheets and produces 120-page booklets	Opt 4,000-sht LCT; opt 100-sht stapling finisher has two trays (500, 3,000); opt 50-sht stapling finisher (250, 3,000); opt 2,000-sheet booklet finisher (250, 2,000); opt mult-folding unit option for 100-sht stapling finisher and booklet finisher handles six folding patterns including 2-folding, Z-folding, 3-folding (in and out) and 4-folding (gate and double parallel); opt cover interposer, 2-/3-hole punch and jogger unit; opt 9-bin mailbox for 50-sheet stapling finisher and booklet finisher; professional booklet maker saddle-stitches up to 30 sheets and produces 120-page booklets	Std duplex single pass feeder simultaneously scans both sides of document; paper handling options include: dual 500-sheet paper drawer, 500-sheet multi-media drawer, dual 1,500-sheet paper drawer, 3,000-sheet large capacity tray (8.5" x 11"/A4); opt 4,000-sheet finisher offers opt 7-bin mailbox (100 sheets per bin), opt hole punch, and opt saddle stitching
SECURITY SPECS					
Network User Authentication	Yes	Yes	Yes	Yes	Yes
IP Address Filtering	Yes	Yes	Yes	Yes	Yes
MAC Address Filtering	Yes	Yes	Opt	Opt	Yes
HDD Overwrite	Opt	Opt	Opt	Opt	Opt
Max Overwrites	5	3	3	3	3
HDD Encryption	Yes	Yes	Opt	Opt	Opt
Secure Print	Yes	Yes	Yes	Yes	Yes
Encrypted Secure Print	Yes	Yes	Yes	Yes	Yes
Encrypted PDF Mode (Encrypted Scanning)	Yes	Yes	Yes	Yes	Yes
IPsec	Opt	Opt	Yes	Yes	Yes
Secure Sockets Layer (SSL)	Yes	Yes	Yes	Yes	Yes
SNMPv3	No	Yes	Yes	Yes	Yes
Transport Layer Security	No	No	Info not avail	Info not avail	Yes
Other	Std Self-Encrypting HDD Drive; opt Data Overwrite kit is Common Criteria certified; opt e-BRIDGE SmartCard card reader limits unauthorized access to device; DPWS security for encrypted print; IPv6 support	Trusted platform module; mail box password protection; restrictions features (send function and new addresses in address book); SMTP authentication POP authentication before SMTP; HDD format; Adobe LiveCycle Rights Management ES integration; optional security features include removable hard drive, hard drive erase, hard drive encryption and mirroring, encrypted secure print and PDF, document scan lock, IPSec and secure watermark	Kerberos/basic/user code/802.1x wired/authentications; encryptions: address book, auth. password, S/MIME, locked print password;network protocol ON/OFF; mask type for copying/data security for copying; copy data security option	Kerberos/basic/user code/802.1x wired/authentications; encryptions: address book, auth. password, S/MIME, locked print password;network protocol ON/OFF; mask type for copying/data security for copying; copy data security option	Opt card authentication kit; opt data security kit is ISO 15408 Common Criteria certified and provides overwrite and encryption for print, copy and scan; IPv6 support; USB port block; std data sanitation mode can be used to wipe all system memory at the end of a lease
CONTROL PANEL	**keypad and color touch screen**	**Color touch-screen control panel monitor w/hard keys**	**Keypad and color touch screen**	**Keypad and color touch screen**	**Keypad and color touch screen**
Quantity Selector	1 to 9,999 (0 to 9 keypad)	1 to 9,999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)	1 to 999 (0 to 9 keypad)
Message Display	Yes	Yes	Yes	Yes	Yes
Help Key	Yes	Yes	No	No	Yes
FEATURES					
Automatic Features	AES, AMS, APS, AS, ATS	AES, AMS, APS, AS, ASO, ATS	AES, AMS, APS, AS, ATS	AES, AMS, APS, AS, ATS	AES, APS, AS, ASO, ATS
Book Copy	Yes	Yes	Yes	Yes	Yes
Booklet Mode	Std	Std	Std	Std	Std
Color	No	No	No	No	No

Spec Comparison Sheet (e-STUDIO856 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO856	Canon imageRUNNER ADVANCE 8085	Ricoh Aficio MP 8001	Ricoh Aficio MP 9001	Kyocera TASKalfa 8000i
Copy Control	1,000*	1,000	500	500	1,000
Covers	Std	Std	Std	Std	Std
Editing	Std	No	Std	Std	No
Energy-Save	Yes	Yes	Yes	Yes	Yes
Erase	Std	Std	Std	Std	Std
Image Insert	No	Yes	Yes	Yes	Yes
Image Overlay	No	Std	No	No	Std
Image Repeat	No	Yes	Yes	Yes	Yes
Image Rotate	Std	Std	Std	Std	Std
Interrupt	Yes	Yes	Yes	Yes	Yes
Job Build	Yes	Yes	Yes	Yes	Yes
Job Programs	12,060	20	10	10	Yes
Job Time	Yes	Yes	Yes	Yes	No
Language	Std	Std	Std	Std	Std
Margin Shift	Yes	Yes	Yes	Yes	Yes
Neg/Pos	Yes	Yes	Yes	Yes	Yes
OHP Interleaving	Yes	Yes	Yes	Yes	Yes
Photo Mode	Yes	Yes	Yes	Yes	Yes
Poster Mode	No	No	Yes	Yes	Yes
Preset R/E	7R, 7E	3R, 3E	7R, 5E	7R, 5E	5R, 5E
Program Ahead	10	Std	Std	Std	10
Sheet Insertion	Std	Std	Std	Std	Std
Stamping	Std	Std	Std	Std	Std
Timer	Yes	Yes	Yes	Yes	Yes
2-in-1	Std	Std	Std	Std	Std
XY Zoom	Yes	Yes	Yes	Yes	Yes
Zoom Range	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)	25 to 400 (1%)
Other Features	*1,000 department/10,000 user codes; mirror image; 2-in-1, 4-in-1, 8-in-1; copy to hard drive document storage (e-Filing); date and time display; page numbers; annotation; 12,060 templates in up to 201 groups	Page numbering; copy set numbering; watermarks; print date; frame erase; mixed-size originals; print on tab; merge job blocks; proof job mode; job complete notification; merge job blocks; cascade copy	*DSPF (duplex single pass feeder) has dual scan heads; chapterization; border and center erase; sample copy; user tools; double copy mode; mixed-size originals; page numbering; std document server; opt tandem copy; copying onto tab extension; special paper display; directional magnification; directional size magnification: repeat copy; image shift; combine copy; series copy; clear mode; original counter; copy counter; opt copy connector; document server; pale mode; text mode; generation copy mode; electronic/shift/rotate sort; electronic stack	*DSPF (duplex single pass feeder) has dual scan heads; chapterization; border and center erase; sample copy; user tools; double copy mode; mixed-size originals; page numbering; std document server; opt tandem copy; copying onto tab extension; special paper display; directional magnification; directional size magnification: repeat copy; image shift; combine copy; series copy; clear mode; original counter; copy counter; opt copy connector; document server; pale mode; text mode; generation copy mode; electronic/shift/rotate sort; electronic stack	Electronic sort; prevent bleed through; mirror image; page number; form overlay; Bates stamping; shortcut keys; repeat copy; one touch, hue, auto exposure, sharpness color adjustment; custom box; job box; removable memory box; fax box (with optional fax system); maximum of 60 program ahead jobs via system menu setting
ADDITIONAL INFORMATION					
Dimensions (HxWxD)	1,176 mm x 698 mm x 789 mm	1,252 mm x 1,170 mm x 770 mm	1,165 mm x 690 mm x 790 mm	1,165 mm x 690 mm x 790 mm	1,053 mm x 685 mm x 801 mm
Weight	203 kg	242 kg	217 kg	217 kg	183 kg
Power Requirements	220-240 V, 9 A	220-240 V, 10 A	220-240 V, Amps not avail	220-240 V, Amps not avail	220-240 V, Amps not avail
Energy Used While Power Off	0.10W	1W	.13W	.14W	< 1W
Energy Used in Power Save Mode	1.68 W	Info not avail	7.52W	7.5W	20W
Energy Used in Ready Mode	298W	324W	321.89W	271W	< 300W
Energy Used While Copying	1,853W	1696W	1300.3W	1507W	< 1410W
Energy Used While Printing	Info not avail	1696W	1300.3W	1507W	< 1410W
Energy Used While Scanning	Info not avail	Info not avail	Info not avail	Info not avail	Info not avail
Max Power Consumption	1,853W	2000W	1950W	1900W	2400W
TEC Value	16.51KWh	9.0KWh	12.4KWh	16.3KWh	10.697KWh
Dedicated Outlet	Required	Required	Required	Required	Recommended
Energy Star Compliant	Yes	Yes	Yes	Yes	Yes
Operating Noise Level	55 dB	79 dB	71 dB	71 dB	75 dB
COMMENTS	None	None	None	None	None
OPTIONS					
	MP-4004 LCT 4,000 sheets	C1 DSPF	RT43 LCT 4,000 sheets (414519)	RT43 LCT 4,000 sheets (414519)	PF-770 LCT 3,000 sheets
	MJ-1027 Multi-position Staple Finisher	C1 LCT 3,500 sheets	Type 9001 Paper tray 1,000 sheets 11 x 17 (415017)	Type 9001 Paper tray 1,000 sheets 11 x 17 (415017)	PF-780 Paper tray 500 sheet multi-media
	MJ-1028 50-sheet Staple Saddle-stitch Finisher	A1 Paper deck 3,500 sheets POD lite	BK5010e Booklet maker Plockmatic (404305)	BK5010e Booklet maker Plockmatic (404305)	PF-740 Paper-feed unit 2 x 1,500 sheets
	MJ-1029 100-sheet Staple Saddle-stitch Finisher	B1 Tab feeding attachment kit	SR4050 Finisher 100-sheet stapling (414944)	SR4050 Finisher 100-sheet stapling (414944)	PF-730 Paper-feed unit 2 x 500 sheets
	KN-1017 Finisher rail	D1 Finisher	SR4030 Finisher 3,000 sheets (414957)	SR4030 Finisher 3,000 sheets (414957)	DF-790 Finisher 4,000 sheets
	MJ-7001 Post sheet inserter	D1 Finisher booklet	SR4040 Finisher booklet (414950)	SR4040 Finisher booklet (414950)	BF-730 Folding unit booklet and tri-fold
	MJ-6003 Punch unit (for MJ-1027/1028/1029)	H1 Folding unit	Type FD5000 Folding unit (404183)	Type FD5000 Folding unit (404183)	MT-730 Mailbox
	GM-1260 Printer Kit	K1 Post sheet inserter	Type 3260 Jogger unit (412212)	Type 3260 Jogger unit (412212)	PH-7C Punch unit
	GM-2270 Printer/Scanner Kit	Punch die 2 hole 6.5 mm	Type 1075 Jogger unit (411206)	Type 1075 Jogger unit (411206)	(B) Card reader holder
	GM-4250 Scanner Kit	Punch die 23 hole	CS391 Mailbox (412191)	CS391 Mailbox (412191)	DT-730 Document tray
	GS-1020 External interface enabler for open platform	Punch die 4 hole 6.5 mm	Type 3260 Post sheet inserter (412213)	Type 3260 Post sheet inserter (412213)	A Fax kit internet
	GD-1250 Fax option	Punch die Color Coil 44 hole	Type 1075 Punch unit	Type 1075 Punch unit	V Fax option
	GD-1260 Fax second line	A1 Punch die loose leaf 3 hole	Type 3260 Punch unit (412210)	Type 3260 Punch unit (412210)	V Fax second line
	GS-1010 Meta scan enabler	Punch die Loose leaf 5 hole	Punch unit GBC StreamPunch III (414387)	Punch unit GBC StreamPunch III (414387)	IB-50 Gigabit Ethernet card
	GN-1060 Adapter wireless network	Punch die Plastic Comb 19 hole	Type 9001 Fax option (414945)	Type 9001 Fax option (414945)	MM-16-128 120-MB fax memory
	GN-2020 Interface Bluetooth	Punch die ProClick 32 hole	Type E File format converter (414007)	Type E File format converter (414007)	B Card Authentication kit for HID proximity card
	GN-3010 Wireless antenna	Punch die ProClick 34 hole	Type 9001 Printer scanner unit (414954)	Type 9001 Printer scanner unit (414954)	E Data security kit
	GQ-1040 Harness Kit for Coin Controller	Punch die Twin Loop 34 hole	Type J VM Java card (404230)	Type J VM Java card (404230)	A Printed document guard kit
	GP-1070 Data overwrite kit	Punch die VeloBind 1 hole	Type B Gigabit Ethernet board (414204)	Type B Gigabit Ethernet board (414204)	KYOCapture Express one device license software
	GP-1080 IPSec enabler	BG1 Punch unit 2/4 hole	Type J Interface 802.11a/b/g	Type J Interface 802.11a/b/g	KYOCapture Express ten device license software
	GS-1007 Unicode Font Enabler	Punch unit 2 hole	Type 3245 Interface Bluetooth (412866)	Type 3245 Interface Bluetooth (412866)	
	KP-2004 SmartCard reader HID/MIFARE	Punch unit 4 hole	Type A Interface Parallel	Type A Interface Parallel	
	KP-2005 SmartCard reader MIFARE	BH1 Punch unit 4 hole (2895B004)	Type C Slot USB 2.0/SD (414949)	Type C Slot USB 2.0/SD (414949)	
	GQ-1240 Harness kit for coin controller	C1 Punch unit professional	Type B 32-MB fax memory	Type B 32-MB fax memory	
	GB-1261 e-BRIDGE Fleet Management System software	A1 Trimmer booklet	Type 9001 Adobe PostScript 3 (415050)	Type 9001 Adobe PostScript 3 (415050)	
	GB-1280 e-BRIDGE RE-RITE OCR software	A1 Utility tray	Type F Copy Data Security unit (413985)	Type F Copy Data Security unit (413985)	
		F1 Expansion bus	Type H Data Overwrite Security (414002)	Type H Data Overwrite Security (414002)	
		U1 imagePASS print controller			

Spec Comparison Sheet (e-STUDIO856 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO856	Canon imageRUNNER ADVANCE 8085	Ricoh Aficio MP 8001	Ricoh Aficio MP 9001	Kyocera TASKalfa 8000i
		H1 PDF and XPS direct print kit			
		E1 Universal Send Advanced Feature Set			
		H1 Web Access software			
		K1 Interface Serial			
		B1 Wireless LAN board			
		D1 250-GB HDD mirroring			
		256-MB memory for EFI Fiery print controller			
		Type B 512-MB memory			
		C1 80-GB HDD mirroring			
		A1 Multimedia reader writer			
		D1 Bar code			
		AH1 PCL 6			
		AH1 PostScript 3			
		B1 Access Management System kit			
		C1 Data erase kit			
		A1 Document scan lock kit			
		D1 Encrypted Secure Print software			
		C2 HDD encryption and mirroring			
		B2 IPSec board			
		AD1 Removable HDD kit			
		B4 Removable HDD kit for imagePASS U1			
		B1 Secure watermark kit			
		C1 Universal Send Digital User Signature			
		D1 Universal Send Security Feature Set			
		A1 Accessibility handle ADF			
		B1 Remote Operator's Software kit			
		F2 Voice Guidance kit			
		EFI SeeQuence Compose			
		EFI SeeQuence Impose			
		EFI SeeQuence Suite			
SUPPLIES/MAINTENANCE					
	Black drum; Yield: 600,000	Black drum; Yield: 6,000,000	Black drum (B2469510); Yield: 1,200,000	Black drum (B2469510); Yield: 1,200,000	TK-6709 Black toner cartridge; Yield: 70,000
	Black toner cartridge; Yield: 73,900; Coverage: 6%	Black toner cartridge; Yield: 70,000; Coverage: 6%	Black toner cartridge (885098); Yield: 43,000; Coverage: 5%	Black toner cartridge (885098); Yield: 43,000; Coverage: 5%	MK-6705A Maintenance kit (includes drum and developer); Yield: 600,000
	Black developer; Yield: 600,000		Type 24 Black developer (B0649645); Yield: 350,000	Type 24 Black developer (B0649645); Yield: 350,000	MK-6705C Maintenance kit fuser; Yield: 300,000
					WT-861 Waste toner container; Yield: 500,000
MULTIFUNCTION MODES					
Copier	Std	Std	Std	Std	Std
Internet Fax	Std	Opt	Opt	Opt	Opt
Network Printer	Opt	Opt	Opt	Opt	Std
Printer	Opt	Opt	Opt	Opt	Std
Fax	Opt	No	Opt	Opt	Opt
Network Fax	Std	No	Opt	Opt	Opt
PC Fax	Std	No	Opt	Opt	Opt
Scanner	Opt	Std	Opt	Opt	Std
CONNECTIVITY SPECIFICATIONS					
Operating System Support	Win 2000, XP, Server 2003, Vista, Server 2008, Mac OS X, Linux, UNIX, CUPS	Win 2000, XP, Server 2003, Vista, Server 2008, 7, Mac OS X10.4.9+	Win 2000, XP, Server 2003, Vista, Server 2008, Mac OS 8.6 - 9.2x, OS X v10.1 or 10.4.x, 10.5x+, Netware 3.2 - 6.5, Sun Solaris 2.6/7/8/9/10, HP-UX, SCO OpenServer, RedHat Linux, IBM AIX	Win 2000, XP, Server 2003, Vista, Server 2008, Mac OS 8.6 - 9.2x, OS X v10.1 or 10.4.x, 10.5x+, Netware 3.2 - 6.5, Sun Solaris 2.6/7/8/9/10, HP-UX, SCO OpenServer, RedHat Linux, IBM AIX	Win 2000, XP, Server 2003, Vista, Server 2008, 7; Mac OS 10.x, Sun OS 4.1.x, Solaris 2.x, AIX, HP-UX (LPR), Novel NetWare 3.x-6.x
Parallel Interface	Opt	None	Opt	Opt	None
PC Fax/Print/Scan	No/Yes/Yes	Not applicable	Yes/Yes/Yes	Yes/Yes/Yes	Not applicable
Serial Interface	None	None	None	None	None
PC Fax/Print/Scan	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
USB Interface	Std 2.0, std (host)	Std 2.0	Std 2.0, opt (host)	Std 2.0, opt (host)	Std 2.0, std 2.0 (host)
PC Fax/Print/Scan	No/Yes/No	Not applicable	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Network Interface	Std Ethernet, opt wireless	Std Ethernet, opt wireless	Std Ethernet, opt wireless	Std Ethernet, opt wireless	Std Ethernet
Interface Type	10/100/1000BaseT, 802.11g, Bluetooth	10/100/1000BaseTX, 802.11b/g	10/100BaseTX, 802.11a/b/g, Bluetooth	10/100BaseTX, 802.11a/b/g, Bluetooth	10/100/1000BaseTX
LAN Fax/Print/Scan	Yes/Yes/Yes	No/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes	Yes/Yes/Yes
Networks Supported					
NetWare	Yes	Yes	Yes	Yes	Yes
Windows NT	Yes	Yes	No	No	Yes
AppleTalk	Yes	Yes	Yes	Yes	Yes
UNIX	Yes	Yes	Yes	Yes	Yes
AS/400	Yes	No	Yes	Yes	Yes
Other	Linux, Citrix Metaframe		IPv4; IPv6; IPX/SPX; SMB	IPv4; IPv6; IPX/SPX; SMB	
FACSIMILE SPECIFICATIONS					
Scanner Technology	CCD	Not applicable	CCD	CCD	CCD
Compression Method	MH/MR/MMR/JBIG	Not applicable	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG	MH/MR/MMR/JBIG
Modem Speed	33.6 Kbps	Not applicable	33.6 Kbps	33.6 Kbps	33.6 Kbps
Max TX Resolution	400 x 400 lpi	Not applicable	400 x 400 dpi	400 x 400 dpi	600 x 600 dpi
Gray Scale/Halftones	256 levels	Not applicable	256 levels	256 levels	Info not avail
Std/Max Fax Memory	Shared	Not applicable	Shared	Shared	12-MB RAM/120-MB RAM
Min/Max Orig Size (WxL)	A5/A3	Not applicable	A5/A3	A5/A3	A5/A3
Max Paper/Print Width	279/279	Not applicable	279/279	279/279	279/Info not avail
Effective Scanning Width	279	Not applicable	279	279	Info not avail
Correct-Order Output	Yes	Not applicable	Yes	Yes	Info not avail
Batch Files	Yes	Not applicable	Yes	Yes	Info not avail
Battery Backup	Yes	Not applicable	1 hr	1 hr	Info not avail
Confid TX/RX	Yes/Yes	Not applicable	Yes/Yes	Yes/Yes	Yes/Yes
Dual Lines	No	Not applicable	Opt**	Opt**	Opt
Multi Access	Yes	Not applicable	Yes	Yes	Yes
Polling	Yes	Not applicable	Yes	Yes	Yes
Relay Request	Yes	Not applicable	Yes	Yes	Yes
Smoothing	Yes	Not applicable	Yes	Yes	Yes
Timers	Yes	Not applicable	Yes	Yes	Yes
Transfer Hub	Yes	Not applicable	Yes	Yes	Info not avail
DIALING CAPABILITIES					
Broadcasting (Groups/Dest)	200/400	Not applicable	100/500	100/500	Info not avail/500
Redial (Attempts/Intervals)	14/Programmable	Not applicable	5/5 min	5/5 min	Info not avail

Spec Comparison Sheet (e-STUDIO856 vs. Competitors)

*Red character: Changed points from Alabama

*Data Source: BLI (Buyers Laboratory, Inc.)

Side-By-Side Product Compare	Toshiba e-STUDIO856	Canon imageRUNNER ADVANCE 8085	Ricoh Aficio MP 8001	Ricoh Aficio MP 9001	Kyocera TASKalfa 8000i
One Touch	None	Not applicable	None	None	100
Speed Dial	12,060		/2,000	/2,000	50
Other	1 GB (HDD) transmission/F code & reception memory, 80-GB HD backup memory; delayed transmission; incoming fax routing to shared folder, e-mail or e-Filing		**Up to 3 lines; fax forwarding; automatic email notification; direct fax number entry; page counter; auto reduction; wild cards; ID code programming; user function keys; LCD prompt; remaining memory indicator; clock adjustment; user parameter setting; user data transfer; send later; book fax; closed network transmission; reception mode switching; auto answer delay time (SP mode); busy tone detection; manual reception; substitute reception; authorized reception; multi-copy; closed network reception; reception time printing; center mark; opt. duplex reception; monitor speaker; on-hook dial; tone transmission; pause; pulse/tone selection; chain dialing; reception mode selection	**Up to 3 lines; fax forwarding; automatic email notification; direct fax number entry; page counter; auto reduction; wild cards; ID code programming; user function keys; LCD prompt; remaining memory indicator; clock adjustment; user parameter setting; user data transfer; send later; book fax; closed network transmission; reception mode switching; auto answer delay time (SP mode); busy tone detection; manual reception; substitute reception; authorized reception; multi-copy; closed network reception; reception time printing; center mark; opt. duplex reception; monitor speaker; on-hook dial; tone transmission; pause; pulse/tone selection; chain dialing; reception mode selection	Duplex TX/RX; F-code TX/RX; fax box; opt internet fax and opt second fax line
PRINTER SPECIFICATIONS					
Engine Mfr & Model	Toshiba/e-STUDIO856	Canon/imageRUNNER 8085	Ricoh/Aficio MP 8001	Ricoh/Aficio MP 9001	Kyocera/TASKalfa 8000i
Compatibility	PC, Mac	PC, Mac	PC, Mac	PC, Mac	PC, Mac
Speed	85 ppm	85 ppm	80 ppm	90 ppm	80 ppm
Max Print Area	A3	Info not avail	A3	A3	Info not avail
Enhanced Resolution	2400 x 600 dpi	Not applicable	Not applicable	Not applicable	Not applicable
Unenhanced Resolution	600 x 600 dpi	1200 x 1200 dpi	1200 x 1200 dpi	1200 x 1200 dpi	600 x 600 dpi
Std/Max Printer Memory	Shared	Shared	Shared	Shared	Shared
Controller Mfr/Model	Toshiba/e-BRIDGE X (eBX)	Canon/Info not avail	Ricoh/Info not avail	Ricoh/Info not avail	Kyocera/Info not avail
Processor/Bits/MHz	PowerPC 440/Info not avail/833	Dual Canon custom processors/Info not avail/Info not avail	Celeron/Info not avail/1.0 GHz	Celeron/Info not avail/1.0 GHz	PowerPC 750CL/Info not avail/800
PDL/PCL	PCL 6, PostScript 3, XPS	UFRII, opt PCL 5e/6, opt Adobe PostScript 3	PCL 5e/6, RPCS, opt Adobe PostScript 3/ PDF, IPDS	PCL 5e/6, RPCS, opt Adobe PostScript 3/ PDF, IPDS	PCL 6, PostScript 3, PRESCRIBE, XPS
Controller Mfr/Model	Not applicable	EFI/imagePASS-U1	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Core Duo T2500/Info not avail/2 GHz	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	PCL 5e/6, Adobe PostScript 3	Not applicable	Not applicable	Not applicable
Controller Mfr/Model	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Processor/Bits/MHz	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
PDL/PCL	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Other	Secure print; proof print; scheduled print; watermarks; tab printing; print to e-Filing; direct print from USB flash drive via host USB port on front of device; 80 PCL, 136 PS fonts	Optional direct print kit for PDF/XPS printing; print to USB (requires PostScript); std/max memory for imagePASS U1 print controller is 2-GB RAM, 80-GB HD	Sample/locked/hold/stored/store and print/PDF direct print; mail to print; classification code; Bonjour support; Windows Active Director/DDNS support; PCL resident font adoption; 1200 dpi support; mobile driver; XPS support; WS-printer; imposition settings; creep adjustment; crop mark	Sample/locked/hold/stored/store and print/PDF direct print; mail to print; classification code; Bonjour support; Windows Active Director/DDNS support; PCL resident font adoption; 1200 dpi support; mobile driver; XPS support; WS-printer; imposition settings; creep adjustment; crop mark	Fonts: 93 PCL 6, 136 PostScript, 8 Win Vista, 1 bitmap; direct print from USB; utilities include PRESCRIBE, PDF Direct Print, KMnet Admin, KMnet Viewer, Kyocera Command Center RX; supports banner printing up to 12" x 47"/304.8 mm x 1,219.2 mm
SCANNER AND IMAGE MANAGEMENT SPECIFICATIONS					
Connection Type	Network	Network	Network	Network	Network, USB
Technology/Speed	CCD/77 ipm color, 80 ipm black	CCD/85 ipm color, 120 ipm black	CCD/55 ipm color, 80 ipm black	CCD/55 ipm color, 80 ipm black	CCD/70 ipm color, 100 ipm black
Max Resolution	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi	600 x 600 dpi
TWAIN Compatible	Yes	Yes	Yes	Yes	Yes
Scan Destinations					
E-mail	Yes	Yes	Yes	Yes	Yes
I-fax	Yes	Yes	Yes	Yes	Yes
FTP	Yes	Yes	Yes	Yes	Yes
SMB	Yes	Yes	Yes	Yes	Yes
HDD	Yes	Yes	Yes	Yes	Yes
URL	No	Yes	Yes	Yes	INA
LDAP Support	Yes	Yes	Yes	Yes	Yes
Scan/Image Software	Opt third-party software	Std Canon Color Network ScanGear	Info not avail	Info not avail	Info not avail
OCR Software	Opt e-BRIDGE RE-RITE	Info not avail	Info not avail	Info not avail	Opt KYOcapture Express
File Mgmt Software	Std e-Filing, opt third-party software	Info not avail	DeskTopBinder Lite	DeskTopBinder Lite	Opt DMS link
Other	Scan to file (HDD or network folder); scan to USB flash drive; e-Filing; supports SMTP authentication; supports XPS, TIFF, PDF, DOC, XLS, RTF, TXT file formats; Web Service Scan; opt advanced scanning kit (RE-RITE) provides scan to MS Word, MS Excel and Searchable PDF	Color scanning; file formats supported include TIFF, JPEG, PDF, XPS, high compression PDF/XPS, PDF/A-1b, optimized PDF for web; scan to USB; 1,800 address book locations	Full color scanner; scan to USB/SD card; scan to PDF, TIFF & JPEG; scan-to-folder (SMB, FTP, NCP); LDAP support; 2,000 e-mail storage, 500 max destinations per job	Full color scanner; scan to USB/SD card; scan to PDF, TIFF & JPEG; scan-to-folder (SMB, FTP, NCP); LDAP support; 2,000 e-mail storage, 500 max destinations per job	Color scanning; scan to USB; WSD scan, supports TIFF, JPEG, PDF, PDF/A, XPS file formats; scan speeds are when using the document feeder and are based on letter/A4 at 300 dpi resolution
COMMENTS					
	One-touch template feature allows users to store personalized settings or workflows (12,060 templates available); remaining paper volume indicator; toner recycling system; e-Filing features one public box & 200 private boxes; user can create 100 folders per private box & store up to 400 documents per folder (1,000 pages per document); TopAccess File Downloader & Document Mgmt utilities included; opt e-BRIDGE Viewer; opt e-BRIDGE Fleet Management software, direct print from/scan to USB flash drives; 8-bit depth; RoHS and Blue Angel compliant; supports Toshiba's Open Platform architecture	Utilizes Canon's Precision Output (pO) toner and twin-sleeve technology that aids in reproducing detailed originals, ensures ultra smooth gradations and even distribution of toner on the page. Supports MEAP technology	Features large WVGA color touch screen; available software include SmartDeviceMonitor for Admin/Client, Web SmartDeviceMonitor, Web Image Monitor, DeskTopBinder Lite, TWAIN driver, printer utility for Macintosh; security features include user authentication; Unauthorized Copy Control embeds a message on document that appears on copied document; opt DataOverwrite security system; copy data security unit; compatible with Ricoh's Embedded Software Architecture; document management tools: opt Remote Intelligent Management System reports meter usage data automatically and securely; DocumentMall enables users to securely store, edit, share and retrieve documents and files from PCs via the Internet and scan documents into a secure folder; four beam laser system; environmental features include toner recycling, low noise levels, minimal ozone emissions, RoHS compliant	Features large WVGA color touch screen; available software include SmartDeviceMonitor for Admin/Client, Web SmartDeviceMonitor, Web Image Monitor, DeskTopBinder Lite, TWAIN driver, printer utility for Macintosh; security features include user authentication; Unauthorized Copy Control embeds a message on document that appears on copied document; opt DataOverwrite security system; copy data security unit; compatible with Ricoh's Embedded Software Architecture; document management tools: opt Remote Intelligent Management System reports meter usage data automatically and securely; DocumentMall enables users to securely store, edit, share and retrieve documents and files from PCs via the Internet and scan documents into a secure folder; four beam laser system; environmental features include toner recycling, low noise levels, minimal ozone emissions, RoHS compliant	HyPAS (Hybrid Platform for Advanced Solutions)